Sequence listings

SEQ ID NO: 1
Homo sapiens transforming growth factor, beta receptor II (70/80kDa), complete antisense sequence

Derived from AY675319

```
   1 CAGCCACACT GTCTTTAACT CTCAGCCCAC CCACACTGAG GAGGGTGCCT AGAGGTTCTA
  61 TTTCCAAACC TTTGCATGTA TCTTAAAAAT CTCAATAAAA TGAGACCTTC CACCATCCAA
 121 ACAGAGCTGA TATTCTCACT ACCAGTCCCT CTCTAATATT CCTATTTGGC TGAAAATAAG
 181 TAGCTTCAAA AAGTTTTAAA AAAGAGATTA CTTGCAGCAT TAACACTTCT TTGTTGATTA
 241 ACAAGTTTCC TATGGAGTTT TAAAGCTCAT ACTTTGTTCT TGTCCTTGTG GACACAAATT
 301 TTCTAACTGC AAATGGGACC TTTGTGTCCC ACATTCAAAT CCTCTCTAGT AATTTCTGCA
 361 AAGGTTGAGA AGGCTGGCAT GATGGAGAGA ACGGTAACCA TGAGGAAAGC TTCTTGGAGT
 421 AAAGCACTCC TCTCTCCAAT GCAGAGGGTA AAACTATTAA CATATAAGCA AAAGAAACTT
 481 GGGCTAACTG AGACCCTTAA AGGAGTTCCC CTTTAGTCCA ATAAAAGGCC AACTTCAAAT
 541 CTTAACACCA GATAAGGTAG TCAAAATCAT ATTATATACC CAGAGAATGA CTGCTTGAAT
 601 GGACATTTCT TACAAGGGAC CTTGGTTAGG TGCAGATTTA ATTCCTAGAC TGGGGTCCAG
 661 GTAGGCAGTG GAAAGAGCTA ATGTTTACAG TGAGAAGTGA GGCAGCTTTG TAAGTGTCTC
 721 CACACCTTCA CATTTTGTGA ACGTGGACTG GAGATAACTG AAAACCATCT GCTATCCTTA
 781 CCTGGGGATC CAGATTTTCC TGCAAAATCT CCAAATATTT ATAAAGTGGC TTCACTTTTT
 841 GAAACGCTGT GCTGACCAAA CAAAACATAT GTTTAGAGTG CCTGAGGTCA TAGTCCTGAC
 901 AATGATAGTA TTGTGTAGTT GAAATCCTCT TCATCAGGCC AAACTGTGCT TGAGCAATCA
 961 GGAGCCCAGA AAGATGGAAC CCATTGGTGT TTGTATAGAA AACTAGAAAA TCAAGTCAAG
1021 TGTAATGAAA AAGTAAACAC GATAAAGCCT AGAGTGAGAA TTTGCTCCTT TTTAGAAAAG
1081 GATGAAGGCT GGGAGCAGAG AATAGTAACA TAAGTGCAGG GGAAAGATGA AAAAAAGAAC
1141 AATTTTTCAT TAGTAGATGG TGGGGCAATC GCATGGATGG GGACATCTGT TCTGATTTTT
1201 CTGCAACCCA TGAAGGTAAA AAGTGGGGTT CAAAACATTC AAGGTATTAA AGATGGGGTA
1261 GAGTTTCTAA ACTAGGTTGA GGGAGAGTTT CTAAACTAGC CCCCCAGATT TGGGGCTTGG
1321 AGCTTAAATG AAAAGTCCAG GAGAAATAAG GGCACACAGG AACCCCGGGA ACACTGGTCC
1381 TCAAACAGTG CCACTGTACT TAGTTCCATG GCCAGAAGAG AAGTGCTAGG CAGGGAATGA
1441 TTATTTTGCA AAAGCAAGTG CAATGTGGTC ATAGCTGGCT GTGAGACATG GAGCCTCTTT
1501 CCTCATGCAA AGTTCACTGT TTTACAGTCA GAGAACCACT GCATGTGTGA TTGTCAAATG
1561 CTAATGCTGT CATGGGTCCC TTCCTTCTCT GCTTGGTTCT GGAGTTCTCC AATAAAACCA
1621 ATTTCCTGGG AATATTTGAT GTTTTTCCTT GTCTCTTTTC AAGGTATGGC TATATATATA
1681 GAGCTATAGA CATATATAGA TATATATATA TATATATAAA ACATAGCTAT TCATATTTAT
1741 ATACAGGCAT TAATAAAGTG CAAATGTTAT TGGCTATTGT AAAAATCAAT CTCATTTCCT
1801 GAGGAAGTGC TAACACAGCT TATCCTATGA CAATGTCAAA GGCATAGAAT GCTCTATGTC
1861 ACCCACTCCC TGCTGCTGTT GTTTCTGCTT ATCCCCACAG CTTACAGGGA GGGGAGTGAC
1921 CCCCTTGGTT TTCCAGGAAG CATCAGTTCA GGGGCAGCTT CCTGCTGCCT CTGTTCTTTG
1981 GTGAGAGGGG CAGCCTCTTT GGACATGGCC CAGCCTGCCC CAGAAGAGCT ATTTGGTAGT
2041 GTTTAGGGAG CCGTCTTCAG GAATCTTCTC CTCCGAGCAG CTCCTCCCCG AGAGCCTGTC
2101 CAGATGCTCC AGCTCACTGA AGCGTTCTGC CACACACTGG GCTGTGAGAC GGGCCTCTGG
```

2161 GTCGTGGTCC CAGCACTCAG TCAACGTCTC ACACACCATC TGGATGCCCT GTAGCGGGAA
2221 AGAGATCCAA AGGGCACCAT GAGTTGGTGG GCTCCGCGGA AGGCAAGGTG GCCTGCTGAC
2281 CTTGTTGCTA TAGTGAGTGC AAGCAGGGTC CAAAAGTGCC TGTGCATTTA ACATGTGCTG
2341 ACTGAGTGCC TGCTGCTGCA GGCCAGCCAG TTCCATGTGG AAAGGGTGGT GGGGGGTTTG
2401 TGCTGGTGGC AGCTGTGCTC AAAACCTACC ATACTTTTTG GCTCTGGTGC TATCTGATCA
2461 CAATAGGTCC TGACAGCACA ATGATCCTCT GCTGGGCTTC TGGGGTACAC TAACACTCCC
2521 AACACCTGAA AATTCCCCAT GTAGTGGCCC TTAATATCAT TTCAACACCT TTCTATTTAG
2581 AGAAGTTCTC GCTTCACAGC AAAATTGAGT GGAAAGTACA GAGAGTTTTC ACAAAACCCC
2641 TTCCCCATAA AGGCACAGCC TTCTCCACCT TGACATCATG CATGCATCTA TGAGGTACAT
2701 TTGTTATAAC TGATGAACTA ACACTGACGT ATCATTATCA ATCAAATTCA TAGTTTACAT
2761 TAGGGTTCAC TCTTGGTGTT GTATATTCCA GGGGTTTTGA CAAATGTATA ATGACATGTA
2821 TCTACCATTA TAGTATCATG CGGAATAGTT TCTCTGCCCC TCAAATTCCC TGCATTCCAC
2881 TTATTCATCC CTCCCTCCAT TCCCCTAAAT TTCTGGCAGC CACTGATTTT GTACTGTCTC
2941 TGTAGTTTTT GCCTTTTCCA GAGTGTCATA TAGTTGGGTC ATATACACTG TTCTATTTTA
3001 ACAGGGCTGA TTACCCCCGT CAGAATTGTA TGCAGGCATT AGCATGGTTT CATTTTCTAT
3061 AGGCCACACA TTTTGTAGAG TGATTCAGTA GCAGCTTCTA CGAGCTGCCA AGGATGACCT
3121 CTGGGATGCT CCATTCCTCT CCAACAACAT TGGGTTGAAC CCTGTGAAAC AGCTGCCTAT
3181 GTGGGTCAGG CATGCTTAAC TCTATGCCAT TTCCTAGGGT TCACCCTAAC CGAATCAAGC
3241 TCCCATCCAA GGAGACCATC CAGGAGATCC TGCCCAGGAA GGTGGCAAGA GTTTTCTCTC
3301 ACTGGCTTAA TTTTTATTTT GCATTGCAAA TATTTTTGTT ATCATTTCAA ATCCTTTTTG
3361 GAAATAAAGC AGGCAGGAGT TAAGTAAATG GTCTGATAGG TGGAAATAGA GTGTGCTCCT
3421 CCCAATTGTA AGATCAACAT TGCTAATGGG ATCCCTCACA CAGGTGGCTG GGAGTGGGAT
3481 GGATAAATCT CAAAACTACC TGGGAGAGCT GGCACTTTTT CTACTTGTTT TCTAATACCA
3541 ACAACTTTCC AAACACACCT AGGAGCCTAT CTCTCCCTCC CCACCCGATG AGTTCATGAT
3601 GTTAAATTAA TTGCATAATT CACCTAATTG ACAGTATTGA CAGATGGCCC TGTTAAGAGT
3661 AGAGTGCTAT TGTTGGTACA CAAGTAACAT TTATTTTATT CTGGCACTGT AATTACAGGC
3721 AGTAAATTAA ATTAAATATT AAGCATTAAC TTGAAATCAA TAGGGCAACA AATCTCATTA
3781 TGAGAAAAAA TGTATTATGC AAATTCTTTT CAGAATTTTA TCATCATGAA TAATGGCTTC
3841 ATTACGAGAA CTATACAGCA GAGGAGGCAA CAGAGTTTGA AAGAAACATA ACACTCCAGC
3901 ACATTCTGAT TTCAGAATTT ATGCAAAATA TTCTTACAGT TTTAGTGTCA AAGAGGATTT
3961 GCTCAAAACT CCAGAGAAGC CTGTGACCCA CCACAGCCTG GTTCCCCCTC GCCAACCTCC
4021 TCGGACTTTA TTAAGGTCTG TCTGCTGAAG TGGCTCTGGG CCAGGACTGG CACAGACCAG
4081 ACTTCCTGCT CCATTTGTCT TCCCGATTGT GCCTGATTTG TTGTTTCTGT TTCTTATCTG
4141 AATTTGCCTT GCCCTTAGGG AAACCAACAA CTTAGCCTCG GCCTTCATGG TTGAGGGAAT
4201 TCATCCAAAA GAGGCAATAA AAGGTTTTAG TCAGTAGAAA GAACAGTCTT CTCAGTGAGA
4261 TAGGGCCACA CTGTTCTCTC TCATTCTTCA CTAAGGGCTC CTTCCTGGGT GTGTCAGACA
4321 TATAGCTGGT TCTGACTCAC TCACAACCTA TCGTTTTCTT TTTTCTCTGA CCATTGCCCT
4381 CATCAAAGTG CCCCCAAACA AACAATTTGG ATCAGCCTCT TTATGAGTCC AGAATGACTG
4441 CCCTGCTATG GACAGCCTTA GCTAGCATTT CTTAACAAGG AAAAATAAGA GGCCATTAGG
4501 ATGTTCCCAA CAGACAGATT TCTCGTTCCT TCCAGGGCAT TCTCCTCTTC TTTGCTTTCC
4561 TTAATTCCAG AGTGAGGAGT CGGTCTCCTC TTTCCCACGC GTGCTCACTC AGGCCTCTCC
4621 CAAGTCTGTG AGCACAGCCT GCAAACACCT GTACACAGCC TTCTGCATGC CACAGTCACT
4681 TCTCACTACA GCTGCCTGAC AAACCCTGCT TGTTTTGCAT CTGCTAAGTA TTTCCTTATG
4741 GAGCTGAAGA TTCCCAGAAG AAAACATTTG GAATCCAGAG GGAATCAAAT ATAAACTCCT

4801 GACGTGAAGG CCCAGGAGTA AGTAGCAGAG GCTGCAAACA AAATGTTTTA ACCCAGGACC
4861 AAGGGGGCTT GGAAAATGTG GCAAATGTCC TCCGAATGGC TATTTGTGAA CTCTCAGAGT
4921 ACATATCAGC TGGTTGGAGC CTATAATAAT TGGGTTATCC ACTGTATTGA AATTTGCTTT
4981 ATAAACAAAA TTTAACAGGG CCATAGAACA CAATGGGACC TTCCCTCAGA TTTAAGCTCA
5041 ATATTCCAGA ATTCTCTGCC ACCTAAGAGG CAACTTGGTT GAATCTTACT GACCTTTGTA
5101 AACACTCACT CCTTACCTGG TGGTTGAGCC AGAAGCTGGG AATTTCTGGT CGCCCTCGAT
5161 CTCTCAACAC GTTGTCCTTC ATGCTTTCGA CACAGGGGTG CTCCCGCACC TTGGAACCAA
5221 ATGGAGGCTC ATAATCTTTT ACTTCTGTGA AGAAAGCCAG CAAACACAGG GTCACTGAGA
5281 ATGGCATGTG CAGCCAAAGG AAATGAGCAT GGTGAGATGC CTGGCTGGGG AGCATGAAGC
5341 ACTAAGTAAC AAATACATAC GTAATTACTC TAAGAGCAAA TTTTAATAAT AATGGCTAAG
5401 ATAAGAAGGA AGGAGTGGTT GGGGAAGGGC TAGAGAAGTA TTCAATAAAT GATTGTTGAG
5461 TACTTAAAAT GTGCTAGGTG TTATGCTGGG GGACACAGTG GACAACAAGA TAGAGAGGGT
5521 CACGGAGCTT AGGTTTTAAC ACAGGCATTT TCTACAGGGG GATATTGCAG CAAAAGGGTG
5581 AAACTGGTTC TTGGGAAGTG GAAAAATCTT ATGTATTACA ATGGTTTGTG AGCCTCCAAA
5641 GGCCCAGAGT ATACAAAGAG ATTTAAAATG TGGTATTAAA TTTCATGTAG GTATTGAGGC
5701 ATAAAAAGGA ATGAAACTCT GGCACATGCT ACAACATGGA TGAATCTTGA AGACATTATG
5761 CTAAGTGAAA TAAGCCAGAC ACAAAAGGAC AAATATTGTA TCATTCCACT TGTATGAAGT
5821 ACCTTGTACA GGTATATTCA GAGACAGTAT AATGGTGGTT GTCCAGGGGG CAACCTGGGA
5881 GGAAAGGGTA GGAAAAGTTA TCCTTTAAGG GGTAAAGAAT TTCAGTTGAG CAAATTTCAG
5941 TACAGAAAAA TGAATAATGG TGATGGTTGT AGAGCACTGC GAAGGTACTT AATGCCAGTA
6001 AACTGTACAC TTAAAAATGG TTAAGATGGT ACATTTTATA TTATGCCTAT TTTGCTACAG
6061 AAAAACATCA TGGAGAGTAG TGTTTAGAAA AAAAGTTGTC TACAGGCCAG GTGCTGTGGC
6121 TCATGTGTGT AATCCCAGCA CTTTAGGAGG CTGAAGGAGG ATATCTTGAC TCCGGGAGTT
6181 TGAGACCAAC CTGGGCAACA TAGCGAGATC CTCTATCTAT ACAAAATAAA AAACAAAACA
6241 AGCAAACAAA AAAAGTTGTT TAAAAAGGCT CCTTACGATA TCACTGATTT TAAAAAAGGT
6301 TGAGAAATGC TGTTTTAGTG GGAAGACAGA GGGGACAGAT TAACAACATC AACAAAATTT
6361 TAAAACGATA ATTTTCCTCT GATGGTATAT TCAATAAAGA AAATGATAAA GGAGGAGGTA
6421 ACCCTTCACC GGGGCCTCAG GCTTCAACTA AGGTCAAATT CTTTATAAAA ACTTCCTTGA
6481 ACATCCTTAG GGTCAATCTT GGTTAGATAT CCTGGGCAGG GCTCTATTCG TGCATATACC
6541 ATATTTTATT TAATATATTC ACCTGCTTAT TTTTCTCACC TAACTGGACT GTGAGCATTT
6601 GGGTGCAAGT TGAGTCCCTT TCTCATTCTT GTATTCTTGG TGCCAATTGC AAGGGTCTCC
6661 CATGCCAACA GGCTGTCAAC AAATGCTTTG TTGAGTGAGT GAATGAATGA ATGAATGAAT
6721 GAATCTTAGA TTCTCTCCAA AGTGGCAGTG CATAAACTCT GGCCAAACAT TAAAACAAAA
6781 CACCAATTTA AATGAGCAGA TTAATATAGT GTAAACAGAG CACAGGACAC TTAAAAAGAT
6841 AGAAAACATC CCAGTACTAA AACATGCCTG GGCTGAAAGG AGAGATTGGG CTGGATTCAA
6901 CACTGTTCTC CAAAGTAAGT AGGATCTTTG GCCTTTAGCT TCAAAATAAT CTTATTTAAT
6961 GAGTAAAACT TTCAATACAT TTGCACTTCT AGGTAACGAA TTGAAGAAGC TTTCATGGCA
7021 AGATGACATT TTGAAAAGGG ACGGCTTGTT TTTGTTCTTT GTTCATTTGC TTTTTTCCCC
7081 TTTTCCAGAA CTCTACTTGA ATATTTATCT TTTTCAGCTT CACCAAATAG TAGAGCTGCC
7141 AGGATATTTT CTTTTTTATA GTTTTAAATA CAGGGGAATT TGGGATGAAG GCCTCCCATC
7201 ACATTAAGAC AAACCACAAA CTATCCTCCT GTGTGTCATG CTTTTTGCCT CAAAGGACCC
7261 AAGCATTTAA TCCACATTGC TCTTGGGTGA GATCTGAATT GTGATTTGCA TAGCATTTAT
7321 ACTCTTATTT TTTTCTTTCA TTCCTTATCT TCAACCAGAC TGTAAATGCC TAAGGCACAA
7381 GGCAGTGGCT GAATTTGGTG TCTTTCACTT ATCTGCTCAG TGCCTAAAAT CGTGCCTTAT

```
7441 ACGTAGTAAG AATTTAATAA ATATGAGTTC GGTTGAATTC AAGCAAAAGA GAAAACTGAG
7501 AATCAGATCT GGTTCCCAGT AAGTGTTTAC TCTCATGTAC TTCTTCTCTT CTATAAAATG
7561 AATATACTGA ACTGAGCTAC CTCCATGTTC CTCTTCAGAT TTATCTTGTA ATCCAATCTA
7621 ATCAAATATG ATGCCCCCTT GGTACCATAC CTTGAGATAT ATGTACTACC ATATAATAGT
7681 AAAGGATAGG ATTTGTATAT GATATAAATT GTTCCTTAGA TAAGGTACAG TCCACAGACC
7741 TTCCATCTTC AATTGTTTTG GCTTATGTAG CAGCTGCAGT TGGTGCCTGC CAAGGTCCCC
7801 TTGACCAAGC TAGGGCCAGC AGCCTACAGC TGCCACAGGT GTTGGCTCAT AAGGGCTCAC
7861 ACCTTCACCC TTTTCTGGGG GATTGTCCTT GGCCAATGGG AGTTGCCTAT CCTAGAGATT
7921 CGTGGACATG ACCGCCTTAC TCTCAGAGGC AGCGTATAGC CGATGACAAA TTAATGTTGA
7981 AGTTTAACAG TCCAATTCTC TTGGCTCTTG GTGGGTAACT ATGGTGCAAT TCACACTCTC
8041 CAGAGCTTCC AGTGAGATCA AGCTGAGGTT AGACCTCTCT TGAAATACAA GTTCACTTAA
8101 CTCCTTCCAT GCCTCTTCCT GCTTCTCTTA CTTCCTTCTC ATGAGAGCTT ATCCTCAATA
8161 AATCATTGCA CAAAAGTGTG TCAGACTCCA CTTCTAGTAA AGCTGGCCCA ACACAGCCGC
8221 CAAGGAAGTG CTTTCTCCTC TCTCCCTAGG CCTTTGTCTC AGTGAATCTG CACAATCTGA
8281 CTGTAGCTGC AAAGCTACCC TGGGGAAGCC TTGATGTAGC CCCTTCTTGT GAAGGTGAAA
8341 TTACTAAACC AGGAAGAACA TTCTGAATCT CACATTGTAT TACCGTTACT CTGATGAAAC
8401 TCCTTTACCT TTCTAGAAAG CTTTCATGCT TTTTCCTTTC TACCAAGCAT TTCAGAGAGT
8461 TCTTTCTCCT CTGACTATCA ACAACAATCC CTATACTCAT GGTCAGAAGT GACAGAGGAG
8521 GACATGACCA ACATCAGAGG AGGAAAATGT TGGGATCAGA ATAAACCCCA GCTGTCAATC
8581 TCATGGCTGA TAGTCCTTGA GAACAAAGAC AAAGTCTTTG TCCTTGAGAC TATAAACGCA
8641 GAGCCAATTC ATTCCAAGTC CTAATCTTCC TAGTTACAAA CACTACACAA TTTATTGTAA
8701 TTTTTTTTAT AGGTACTCTG TGGATCAAAG CAAGTTTCCA TGGGGAATGA GAGAAGATGG
8761 CATTGGGCAT ATTTTTACTT AAAGAAAAAT TAATGAATGC TATTTTAGAA AGGAAGACAA
8821 AGGCAATAAT CCCTTCCCAA AACAAACAGA CTTATAAATA GGTTACTTCC TACTTTTCCT
8881 AAAATCTTGG AAAGTTGTGA GACTCCCTAA TATTCCCAAG GGATACAAGG CCTGCTTCCC
8941 ATCTTCGACT TATGGGTAAT TTCACAAGGA AGGGAGGTCA CGGGTAGTCT GAAAGGTGCT
9001 GGCAAAAGGA CTGGCTCCTT GTGCCCCACT GGGAGAATTT ATGACTCTTC TGCCTCCTCC
9061 TAAGCTTAAA ATAGACAAGT CTGGGGAGGG AGGATCATCA TTTGACCTAA ACTGTCATAC
9121 TCTAATCCTT TAATATTAGT TTTTCAGATT AGGAGTACGG ATGGGGATCT GCAGTGTGTG
9181 CATGATTTAG GCTGACCTTT CTTTAACTTC TGAAAAATGT CCTATTTATG TAACATAGAT
9241 TTTCCAAAAC AGCTAAATGC ATGTTTGCTT TTTTCTTTCT AATTATGGAT TTTTGCAATT
9301 CTTCTTTCTT TACCCTTCTC TCTCATTTTG GACATCCTAC TCCCAACCTC CATTTTTTTT
9361 TTTCTCATGC CCTGCAATGT GTAGGAAGAT GGTTTAATGT TTGGCAGTGT GTATACATGT
9421 GCCTCTCAGT TAACATCTTT GATATTCAAT TGCAGCGATC AGGCAACATT GCTCATTTTT
9481 CCTACTATGG CCATTAAGGC AATGCCATTC TCAGGGCCTC CATTAGGACT TGTAGGATGA
9541 CCATGTAACA TGGAGGCCAG TCCCTCCTGG AGGGCATTTC TTAATTGCTC CTCAGTTCTA
9601 AGTGTCCCTC AGAATGCCTC AGATATTTGC TTTGACTCAG CAGAAGAAGG GAAGATCGTG
9661 GCCAGAGATA GCCTGAACCC TGCGAGAGGA GGTTAGAAAG CAGAAAGCCC TCTGCCAGCC
9721 AGGTGGGTAC CAATGGTCGT TCCTAGGATG AGACCTCATG TAACAGAGCC CAGGCAGTCC
9781 TGGGGAACTG GACAGAGCTG GTGATTGGCA ACAAGTTGAT GGCCTGAGAC CTTTGACACT
9841 CCCAACTTTT TCCCCAGGGT TTCAGGCAGC TGGAGACTGG GATGTTTAAT CCACTTTGGC
9901 AAAATCTTTG GGTCCAAACT GTGTATCTTA TTTATTTTTC ATGATGGTGC TTAAAATATT
9961 TTTATTTTGG AAAATGCATG TGATTAAAAC TATGAAATGA CTAAACAAAT ATGTATAAAG
10021 AAATGTAAAT CTCTCCCCAA CTCCTAACCA CTGTTTCTTT CACAAAAGTG GCTTAGGTGG
```

10081 AATAGTGAGA TTAAAAGTGA TTAAAATTTT TCCCTTATTA CTTGCAAATG AGCACTTCTC
10141 AATCAATTTT TTATAAAAGC CCAGATGTTT TGCCCTCAAT TCATTGGGAA TAAAGGCTTT
10201 GGTAAAATAC AGTAGAAATG AATTACAAGA AAAATGAATC CCACTTGAGT GTTGTGGCAA
10261 CATCAAACTG CTATTAAAGG CACAAAACAC ATCTTGGTTT CTGTCCTTAT ATTGCAAATC
10321 TGTAACAGAG AGTTTGAGGA CCAGCACCTG CCAAAGACCA CACTTGGAGC AACATTGCCC
10381 TAAATGCTTC TTAAGGAATG TGAGATGCAT TTTGACACAG GAAAAAAGAG CACAAGTTAT
10441 TAAACATATT TTAAGGGTTT CAAATGAGTC AGACAAAGAA TATTGAAAAG GTCTTCAGAG
10501 ACGGGATCCA ACATCCTCAT TTTACAGTTG AGAAAACTGA GGCCCAAATA GTACACTGGA
10561 TTCCAGGAAG AGCATTTAGA ATTGTGCACT TTATTACTGT TACTCTGAAG AAATTTGCCT
10621 TTGCCTTTTT AGGAAGCTTT CATGCTTGCT CATCTCTGCC AAGCATTGCA GAGATTTCTC
10681 CCCTAACCAG AGCAAGTACA GCTGGGGCAG TCCCTGGTAT GAACATGCCC TTCCCAAATG
10741 TGACAAGTGT GTCCCTCCCT GCCTTGATGG GGCCCTCCTC AGCATACAAC CTTGAGAAGG
10801 GGAACCTTAT GGGATCTGCT GGGTGGTTGT TATTTGTAAT TTCTAAGCCA GCTATGCAAA
10861 AAAACAATTA CAAAGAGCAG CCCTCTCCTT AGCTGGTATT ATTTACCCAC ATTAAACCCA
10921 AACACTTGTC CTTTCTGGGT TTAGGGAAGT AGATGTGACT GGTGGTGGAG GTGAGGTAAG
10981 GATGAGAATC TCATTTTAGC TACAGGCATC AGATTGGGGC ATAGTTGGCA ATAGAATTAA
11041 TGCAGTTCCT CTTTGCACAT TTGATCAAAT GATGCTTGAC CTTGGGCCTC TCTCTTGTGA
11101 AGAACTGCAT AAAAAGCAAG TTCAGGAGTG TGTGGGCTGA GTCCAGAGAA AATGTTACAC
11161 CTGGCTAACC TATAACAAGA ACCACCTTTT TAAAAAAAAT TGGAATTGCC TCTAAGAGAA
11221 AAAGCGAAGG CTTAGAGAGT ATGACTGAGT TTAGCACTTC AAAAGTGGAA GAGCTAACAA
11281 TATGCATTGT AAGTATTATT TGTTGTTTTT GCCCTGACTC CTTTAAAAAG TAGATATGAG
11341 GACTTAGAAA AGAGATGCCA AGAGTTTGTG CCTCACTTCC TATATCCACA AAATAAGAAT
11401 AGTCACATAT GCCCCCTACA ATTATTCAGT GTGATGCTGC AGGGCCAGCT GCACCGCCAC
11461 CTCCCAACCC CATTGCACTG GCTCTTCCGG TTAGGCTGGC CCAACTCCAG GAGGAACAGG
11521 CAGAAGGGCT GGAGTGAACC CTCCCAGCTC GGCCTGGAGC AGCCCTCCAG CAAACTGATG
11581 GGAATTGGAA AGATAAAACA CCCAGCTTCC TTTGAGTCAG GTGGTATGAC ACTGAGGTGT
11641 GTGTTCTGCT CGTAGTTATA CTCCAGTTGC CCATGGTGGT AACCCACTTG ATAAGATATC
11701 CTTTACTGGT TTCCTTCCCT TTCCTGACTC ATTTCCTCAT TCTCTTACTG GCATTTCCTG
11761 CAATCTCTTC CCAAATAAAC TACTAGTACT CAAATTCTTG TTCCAGGGTT GGAGGCACTC
11821 CACCCAAGAC ATATGCCTAC ACAGCAGAAT TAGTTCATCA AACCAAGTCT TTGTCTCACC
11881 CTCAGACTGT TTCTGAAGCC AGACAGACGG GGCTGAACAC CTCAGAATTT CCCTGAGTGC
11941 CTCAAACGGC ATCTTTTCTA AAAAACCTCT TTATTTCACT GCTTGAGAAC GACTTTCTCT
12001 TACTTCCATC TCCCTCCCGC CACCTCTCTC TGCAGTCTTT TCACTGATGG AAGCCACCCG
12061 CAACCGCCCG GCCCTCGCAG CTTCTTTTAA TTTGTCTCAA AAGGCTCTTA AGAGAAAACT
12121 ACGCTTGCCT GTCTCTTCCC AGTTCCACAA CCCTCAGAGG GCAGGTCTCT GGGACAGCAA
12181 TGGTATTCCT CGGAAAGTCA GCATCTGGTG CACAGCTGCT GTTTTGACTG TAGTCCCAAT
12241 GTAACAGGGC AGCAAAGTTG TTGATGGTTT TCCCCAAAGC AGTACCCCCG AGTTTTCATA
12301 TCTGCTTTCC AGACTGTGCT CCCTTGAAAT CCAGGAAAAT GAAGCGTTTC AATCCTGGTC
12361 TCTCCTCAGC CGTCTCTCCA ACGCCTCCTT TTTTTCTGTC TCTTTCTTCC CCCAGCCCCT
12421 TCCCTTTCTT TTTGGTTCAT TTGCACTTTT TTTTTTTTTT TTTTTTTCAT CTCACAAGGC
12481 TGCAGCAACT TGACAATACA CTAAGGAGCC CTTCTTGGAG TTGTGTTGCT CCTCATTAAA
12541 TACTTGTTCA GCTGGCTGCT ACGTGTCAGC TTCTATTCAA AGGCCTAAAT GCTAGGGATG
12601 TGGAAGTCAG TGTGCTTGCA GGCCAGTTTG GCTGGGGATG ACGAGAGTAT TTTGCCTGCT
12661 GTGTTCACCA AAGGGGGCCC TGAACAGGAC CGCCTTCACC CGCCTTCACC CGCCTTCCAC

12721 ACAACACACA AACACTTGTA TGAACACCAA ACAGACTGAA AGCCTGGGAC AGAGATTTCT
12781 TTGTAAAAGA GAAGCCATCT CCAGTTCTGT CCTTGCTGAA TGGCGATTTC ATGAAGCTTT
12841 TTCTCCTTTT TCGTAGAACA GTAACACACC AATCACCTCC TCTTGTCTTG TTCTTACTTC
12901 AAACAATTCT GAAAGATTTG TTTTCTTTTT TTTTTCTTTT GTATTCTTTC AGAGGATTAA
12961 AATGTCTGAA ATGACAGCCT CTTTCATTAT CTATCCCCCA AGTCTATTTT TCTTTCTAAA
13021 ATCATCCCAC CCACCCCACC CAACTCCAAC ATTATATTAC ATAATCTCTT TGTTCATTAC
13081 CTGTCCCTAA AATACTGGCT CTTCACTAGA CTTCCTGTCT CTCAAAGAAA GACACTGCTT
13141 TTTAAACTGC TGTATCCCTG GCATTTTAAA CAATGCCTGC GACACAATAG GTACTCAATA
13201 AATACTTTTT GAGTGAATGA ATGAATAAAT ATATCTTTAG GGAAATAAAG ATAAAACAGT
13261 TATCTCAAAT TTTAAGGTAT CAATACTGTG ACCTGCTACA CAAATTAACA GCCTTGGATT
13321 CTGTTAACAG GGATTCACCC AGAGAAGTGA GGCCATCACT GAATGTTCCT CAAACATGTG
13381 ATTGTCTCCT CAGCTTCTGC TGGAAGGCTT CATATCTACT GCCAGGATGC ACAGAGTAGC
13441 TCTGACTATC GTATCCATAC TGATCATAGG AATCATAGCT ACTATTTTTT TTGGGGGGCG
13501 GGGGGGATGG AGTCTCGCTC TGTCGCCCAG GCTAGAGTGC AGTGGCACGA TCTCAGCTCA
13561 CTGCAACCTC CGCCTCCCGG GTTCAAGCAA TTCTCTGCCT CAGCCTCTTG AGTAGCTGCG
13621 ATTACAGGCA CCCGCCACCA TGCCTGGCTA ATATTTTAAT TTTTAGTAGA GATGGCATTT
13681 CACCATCTTG GCCAGGCTGG TCTTAAACTC CTGACCTCAT GATCTGCCTT CCTCAGCATC
13741 CCAAAGTGCT GGGATTACAG GCGTGAGCCT GTACCTGTAC ATGGCCATAG CTACTATTTT
13801 AAATACGTTC TCCATTGGCC AGGCTAGCAG TATACCAGGA ATACTAAGGC CTGTGAGCTA
13861 CAGAGTCAGA CAACAGGGCT TTGATTCCTG GCTCCACAAC TTTCGCACTT CCTGAGCCTT
13921 CAGTTCTCTT ATTGTAAAAT GGGATTAATA ACAGTACAGG CCTCAAAGAG TTTTGGTAGA
13981 TTAAATGAGT TGATGTGTGG AGCAAGTGCT TAAGAAGTGG TAATTATTCC TTTATGGCTT
14041 TCTTTATCTG GACCAAATGT ACTTTCAATA AGAAGCCTTT CTCTCTGACC ACTCTCTTCA
14101 CCTAACTGCA ACACATCTCC CGAGGCCCCT GGTGGAATTT TGTGCGAAAT GAAGCTGTAC
14161 CACCTGGCTT TTGAAGAGCT CTATTATCAT CTGTTTATGT TTTCTCACCT GATAAAAGTG
14221 AGGCTTCTCC AGTGTAGTGC TGTTCTTTCT CTGTTTTCCC TGTGCTCCCC TGCATTCAGG
14281 GGAGACTGGC TAGTAAAGAA GTAACTCAGA AGGATGCCCC AGAGTCTTCC TCTTCCTTTA
14341 AGAGCTGACC TAAGTCTCAT TCCCTGACCA TAACACTGCA CTCCCTGTAG CCAACCTGGG
14401 CATTCAGTCC TTTGAGCTCA CTGCCTTCCC TTCCTAAGCA TTTATCACAA CTGAACCACA
14461 CTTGCCTGTT AAAAACAGAC TAGTTAAGTG TTCCAGTGCC AGTAAATAGC ATGAGACAAA
14521 GCCTGGAGGT AAGACCTAAA AGACATCCAT CATGATGAAG TGATGAACAC AGAATGAGAA
14581 TGTGGCGTGG AGGTGAGCTT GGAGCCTTAA TATCCATGTT TATGAGTCAC TTAAAGGCAG
14641 GCTAGGTGGG ACTTCACAGT TTTCTGTGAA ATCTTCTGTC CCTAATCCTT GTATCCTACT
14701 TCATTCAGTT AGACCTTCTG CTGCTTAGAA CATTTTTCTT CAAGTAGTGA GTACTGTAAT
14761 GTTAACATCC AAGAAAGTAA AACAAATAGT CACCTCTGCA ATAGCTCATT AACAACTGGG
14821 AACAGAGAGG TTAATGTTCC ATAGCTTAAA AAAGTATCAA TACAACTAGG GACTCTCTCA
14881 GTACAGGATG GGGTGCTATA TCCATATTAC CAATGGCAGT CATCCCGAGA AATCCAAGCA
14941 GCCACACTTA CTCTCCTTCA GTGGGTAGAT CCACTATACT TGTCATGTAG ATTAGCTGTT
15001 TTCACTGGAG ACTTGCATCC CATCATCCTT CTGCACACAG TTGAGGTGGA CCATACCTCT
15061 TTTTTTTTTT TTTTTTTTTT TAGACGCAGT CTTGCTCTGT CGCCCAGGCT GGAGAACAGT
15121 GGCATGATCT TGGCTCACTG CAAGCTCTGC CTCCCGGGTT CACACCATTC TCTGGCCTCA
15181 GCCTCCTGAG TAGCTGGGAC TACAGGCGCC TGCTGCCACG CCCGGCTAAT TTTTTTGTAT
15241 TTTTAGTAGA GACGGGGTTT CACCATGTTA GCCAGGATGG TCTCGATCTC CTGACCTCAT
15301 GATCCACCCG CCTCGGCTTC CCAAAGTGTT GGGATTACAG GCGTGAGCCA CCGCGCCCGG

15361 CAGGACCATA CCTCTTGAGC AGGCTTCTCT GCAGGTGCTT GGTAGCTGGC TCGATGGGTC
15421 AGATCATAAG CCTTTCATGT CACAGAAGTG GCCCTGATCC ATGATCCCAC AAGCACACAG
15481 ACTCAGAGCC TACAGAGAAG ATGACTCTGG AGATCTGGTT CCCTTTACTG TCCATCTATG
15541 ATTCATCATA CAAAGGTAAG CACATTCCAC ATTTCCTTTT TTGAAATAAG ACTGCTGATT
15601 TTAAAAAAAT GGTAATTACA TCTGCTATAC TGCAAACTGC AGAAGTTCAA GCTTAAGGAA
15661 AGACCTTTTA CATCCTTCCC TCTTCCTTAT ACCTTAAAAT TAAAGTCTAA CATCAAACAG
15721 GGGGATTCAT TATTTAATTT GTAAGATAAG AAACATATCT GCATGTGTAA GTTTTTTAAA
15781 AAGAAGGGAG AGGAAACAAA CAACTGTTTC CTGTAGACTA CAAGCTTCTT GAGGTCAAAA
15841 CCTGTCCTTC CATCTGTGTT TCTACAAAAG CTACAGCAGG GACAACATCA AGATGAATGC
15901 AGTTGGAGGG AATCCATCTG TCTTCAGGCT TCGTGTACTT TCCAAAGGAC CTTTTGAATG
15961 TAAAAGAAAA GCCTCTGAAA CTAAGACTAG GCTGAAAATC TGTCTTTAAG GTTTTTGAGA
16021 CATGCCAAAA AGAAACAAAC AAAAACCACT AATGCTTTTA AAAGAAGAAG TCAAGGTGGG
16081 AGAAGGAGCT TACTACGTGA GTTCACACGC TTAATCAAGT GAACGGCTTT GTGTCAGGAC
16141 GAACGTGAGG ATGGATAAAT AACCTTGGTG TCTGCAGCCC GAGCAAAGAT GGGAGAAATA
16201 GGACTGTGGG CTTAAGATCA AACGAAATGA GAACTGGGAT GGCCTCTTTC CGGTTCCCCA
16261 GGGCTGTCTC TTCTTATCCT AAGGTTATAA AAGGTTTTTT GAGACTAGCT GAATAAACCA
16321 TATCCTGTTC CTTCCTTGGG AAAACTTGTT TATATTCTAA CTGTTTTTAG ACCTTGTAAA
16381 ATTTGGTGAA CTCCTTCCTC ATTAGCTTAA ATTCTTCCAC ACTCAGCAAA TATCAACAGG
16441 CAAGGGTTTT AGTCAGTGAT AACAATGAAA GCTGGGAGCT CACCTAGGGC CTTAATAAGC
16501 TGGCTGCACT GACAGAGGGA AAGACAGAGA CACAATCTCC AGCTCATGTT TATAGAATAA
16561 CAGAGTTGAA AGGATAGGGA ATGATACTGA AATCTAGGTA AATTTATTCT GACAGTGACA
16621 ACAGCATTGT CTCTGATACA ACTCATACCC GGCTAAAGAT TCATTTTGGA ACTGTCAAAG
16681 CTTTCAAGCA TAAAATTATT CTCAGTGGCT GAAACTTGGT TAAACAAATT TCACTGTGCA
16741 AGGAAAAACA AAGTTAACTT TTGGAAGTGT TTTGGGGGAA GAAATCTCAG TCAAGAAACT
16801 AGATAATAAT AACTATGTCA GCTAGATAGG AAGTGCCATC CCCATGCGGG GGTCTCAGGA
16861 AAACATGTGA GGTTCAGCAG GGTGCAGGAT GGGAGGGGGT GACCCGGACC CACGCTGGAG
16921 AATTGGCTAT GCATATTCTG AACAGGATGA AGAATCAGAG CCAGCAGTGG TGCCAACTGA
16981 ATCTGCCTTG GGCAAAATGT TGGGTAGTTT GGACCAGTGA CCCAAGCTGT GGCAACCTGA
17041 GCAACAAAAT AAATAATGAC AATACTGGAT ACTCATATAA TGAAACAAAT ACCCCAAATC
17101 CCCTGCTGAT ATAAATACAT AATTAGTAAA CAAAGAACAG GGGATGGTGT CAGAAGAGAC
17161 AGATCTTTTT TAAAGGAGAA TGCATATTAA TAAATATAGA AGGAACAAGA AAAACAGAAA
17221 ATCTTCCTTA AGTAAACATT ATAGTAATAA TTGTTATAGG CAGGAATTAG TCATAGATCA
17281 TCAAATTAGT GGGTAAATGA TGAATAAGAA AGTTCTAGTA CCTTTGCTAA ACAGGTATTT
17341 AGTATCTTTA GAAACAGGTC AAAGGCATGT ATTACTTACA AATGGACAAA TAGCAGCAGG
17401 TCCCACTTTA ACCAAAGGAC CAAATTTAAC ATTAATAACC AGACACATGG ACATCTTATT
17461 CCCCCTGATA TGACGCACTG AAGATAGGCA CACTATCATT TCTGTGGTAA TTTTGCCCAA
17521 AATATGTAAT CTCAATCTAA TCATGAGAAA ACATTAGTGA AACCCAAAGT GAGAGACCGT
17581 CTAAATAACT GTCTTAAACT TTTTACAAGT GTCAAGGTCA TAAAAGACAA AAATCGACTG
17641 AGGAACTCTC ACAAGGTCAA GGAGACTAAG GAGGCATGCA CATTAGATCA ATGCGGGATC
17701 CTAGACTGGA TCCTGTTTCA GAAAAGAACA TTACTGGGGA CTTGGAAGTA CAAATACGTA
17761 TATGGATTAA TTAAGAACAC TGAATCCAGG TTAATTTGCT GTTTTTGATA GCCATACTAT
17821 GGTTTAGGTT AGATATTAAC AACAGGCAAA GTTGAGTTAA GAGTATACAG AAACTCCACT
17881 ATTTTTACAA CTATTTTCTA AGTCTAAAAT TATCACAAAA CAAAAAGTTA AACATGGAAT
17941 GGAGGCTGGG TGCAGTGGCT CACGCCTGTA ATCCCAGCAC TTTGGGAGGC CGAGGTGGGC

18001 AGATCATGAG GTCAAGAGTT CGATATCAGC CTGATCAACA CGGTGTAACC CTGTCTCTAC
18061 TAAAAATACA AATATTAGCT GAGCGTGGTG GTGCATGTCT GTAATCTCAG CTACTCAAGA
18121 GGCTGAGCTA GGAGAATTGC TTGAACCCGG GAGGCAGAGG TTGCAGTCAG CCGAGATTGC
18181 GCCATTGCAC TCCAGCCTGG GTGACAGAGC GAGACTGTCT CAAAAAAAAA AAAAGGGTGG
18241 AGTTAGTTTG GCTTCATTTG GCAGCCAACC AGGATGAACT TGGGTGCACA GATTTCTCAG
18301 GTGAGACCTA AGACCCTGTC TCACCTAAGA AATAAGAAGG ACATGAATAG AAACACATAG
18361 TGGACAGGAG ACAGCGAAAG GCAGTTCTAG TTCAATGAGA GCTTGCGTTG GGCTGCTTTC
18421 ATTGGACAAG CATGCCAGAA TTCTATTGCT TTATGTGTCA TGCATCTGTC CTCCAAGGTA
18481 CTGAGAAGAG AGTCAGGAAA GGGTATAGTA ATGTAGACCT CAACTGTTCT TGCCTTCTGG
18541 ACAACAAGGG ATAATACTTC CTAGAACAAT AGCCTCACCC TGGCACCCCA GATGTTTGTT
18601 GCCCATTCTA TCTACAGTCT CATGGTCAAT AGTAGTAACA GCCTCTAACA GTGAAAAGGA
18661 CTCAGCATAC AACTGCAGAG AAGACATAGC AGAGGGCACC TGGGAGGCTA TGACAGTGTG
18721 TTCAGGGAAA AATGATCCTA AAAGAAAAAA AAAACAGTAG GTGGCTGAAC TTGGGGATAA
18781 AAAGAGCAAG CCAGCTTTTC AGGAGAAAAG TAGGTCTCCT AATCAGTCTT GCAGGCTTAA
18841 GCAGTAAGAA GACGGCCTTC CTCAATAACC TCTTCACTAG AATTTTCAAA ACCTAAACAA
18901 ATATCTCAAA CAATGATTTT TTTTTTGCCC AATAAAACAA TGTCATGTCC ATAAAAGTAA
18961 ATTTTGAATC AAATCTTTTT CCCAGACATA ATTCTGAAAA ATCTTAAAAC ACAAAGTAAA
19021 AGAAATCAGA TGCTTATCTG AATATTACCC ACATGATCAT TAGAGATAAT TCTTATACAT
19081 TTATTAGTAT TCGTCTCTTG CCAGATATTT AAATAACTGT GAAGAGATGT GTCAAGAGAA
19141 GAGTAATTAT ACAAAGGTTT ATAAAAGGAG ATACAAAGCT TTATGCTCCA AATGTGGCTT
19201 TCAGTTTAAA AACCTAGGCT GTTTAGCATA ACCCCAAATA GTTCTGGGAT GGTTGTATAA
19261 TATCAGATCT CAACTAGCTC TAATAACTGC TTTGTAACCC CTGGAATAAT GCTCGAAGCA
19321 ACACATGATC TTATTTTGAA GACAAGTTTA CCACTACACA ATGATGCTGG TCCACACCTA
19381 CCTCCCACTG CATTACAGCG AGATGTCATT TCCCAGAGCA CCAGAGCCAT GGAGTAGACA
19441 TCGGTCTGCT TGAAGGACTC AACATTCTCC AAATTCATCC TGGATTCTAG GACTTCTGGA
19501 GCCATGTATC TTGCAGTTCC CACCTATAGC AAAAACAGAC AGTGAGGCCC ATCATTTAAT
19561 TCCAGCTGCC TTTTTATTTT CACAATATAG CTGATGGTGG CCCCTGACAC GTGCAGAGGA
19621 TTTTTTTAAA AAATCAAAGT GCTGTTTTAA AGAATGAGAA ATGCACAGAA AGGTACAGAT
19681 AGATGGTTAT TTTTTAAAAT AGATGTTCTC TCCCTGAAAA CCCTCTAAAG ACCATAAACA
19741 AAGCATGCCA AAATAAGGAA GTGCCAAACC CCAGAGCTGC CTTATCTAAC CCCATGACTT
19801 ATGTCATCAC ATTTTTCAAT AACATCCTTA CAGATAACCT GAGAGACAAT ATTTGTGATA
19861 TTTTAAATGT TTATTTTTGC TTTCCAAAAT TGAATTTTTT TTTATTCCTG AAACTCCAAG
19921 ACTTATGGTA AAAATAATAA TTGCTATCAG TTTTGATCAC TTTAGGACTG AGTCTTAATC
19981 TTTGTTTATC CCATGGCACA TTCCAGTGTG CAAAGGATAT AGTACAATTG CATAACATCT
20041 CTACTAAATT AAATTGTATA AAAGCATTTT CACAGTAAAA GACCAAATCT GGATCACTTT
20101 ATAATTTTAA CTTGTGGGCC ATGTAGTTTT ATTTTGACTT TTAGGCCTGT GCTAATCTCT
20161 ATGACTGATA ATATGCAAAC GTCGGATCCA TATGAAAAAG GAAAAAAATA TTCCAGAGAA
20221 TGGCTCACTT AAATATTTAG TGTTGTAGTA TGTATAAACT GACTAAATAA CAATAAAGTC
20281 CTACCTTCCC AAGGATCTAG GGAAGCCAAG TGAGTTGATA TTATCATTCC AAGGAATGTT
20341 TCTTATTGGC ATGTATTAGA GAATTTTTTT CTTCTCAAGA GGTCATTGCA TGGCTCATTA
20401 CTCTGGCACA TTAGTCTGTC CATATTTCGA TGTTTACCTC AACACTGCGT GCGCTGCCAT
20461 GGACACAGGG CTGACTGAGC AGTAACCGAG TGCTTCAAAG TGTGTCCTGC CACCTGGCTA
20521 AAGAAGACAG TGCTGCTCTC CATGGACTCC ACTGTGTGAA AACACTGGGC TCATCATTTA
20581 TAAGGGATGT TGTGGTGATT TCCAATCACC TTCCAATAGT TTCTTAGCCA AAAACATTTC

20641 CATTTTAATC TGTGAGAGTG CTTCAAGAGT GGAAGTGCTC ACTCAGTCGA CAAGTACTTA
20701 TTTTACTTTC AATGTTCAAG GCATTGTGCT ACATATCTTG GGTGACCATG TGGATGTAGA
20761 TTTGGACTTC AGGGAGATTG CCTTCCACGA TGCTTTTAAT ACAAAGAAAC CAACACAACT
20821 ACAGCTAGTA TAGAGCAGAA AGGACTGAGT ACAACCATAA GAGAGGGAAA AAATAGAGGT
20881 AAAGTACTAA CAGTGCTTGA AACAAAGAAA AAACATTTGC TGGAAGAGAA ATGAGGATTG
20941 ATCCAGGAGG AAAAAATGTG CTGAACTGGG AAGGATTTGA AGATAGGAGG AGAAATGCTG
21001 TCCATTAGCA AAAATGCTCA GGCAGGACAG AGCAGAGTAT GCTCAAGGCA GACTCCATAC
21061 TTTGGCTAGA TTCCCTAGAC CAGTGTCCAG AGTACAGGGC TGTTTGAGAT AAGAGCCAGG
21121 AGATATGGAT CAAGAGGTAG GGTGAGGCCA GGCTCAAGGT AAAGGGGATC TAGCACTAGC
21181 TCTAACTTAC CTGCCCACTG TTAGCCAGGT CATCCACAGA CAGAGTAGGG TCCAGACGCA
21241 GGGAAAGCCC AAAGTCACAC AGGCAGCAGG TTAGGTCGTT CTTCACGAGG ATATTGGAGC
21301 TCTTGAGGTC CCTGTGCACG ATGGGCATCT TGGGCCTCCC ACATGGAGTG TGATCACTGT
21361 GGAGGTGAGC AATCCCCCGG GCGAGGGAGC TGCCCAGCTT GCGCAGGTCC TCCCAGCTGA
21421 TGACATGCCG CGTCAGGTAC TCCTGTAGGT TGCCCTTGGC GTGGAAGGCG GTGATCAGCC
21481 AGTATTGTTT CCCCAACTCC GTCTTCCGCT CCTCAGCCGT CAGGAACTGG AGTATGTTCT
21541 CATGCTTCAG ATTGATGTCT GAGAAGATGT CCTTCTCTGT CTTCCAAGAG GCATACTCCT
21601 CATAGGGAAA GATCTTGACT GCCACTGTCT CAAACTGCTC TGAAGTGTTC TGCTTCAGCT
21661 TGGCCTTATA GACCTCAGCA AAGCGACCTT TCCCCACCAG GGTGTCCAGC TCAATGGGCA
21721 GCAGCTCTGT GTTGTGGTTG ATGTTGTTGG CACACGTGGA GCTGATGTCA GAGCGGTCAT
21781 CTTCCAGGAT GATGGCACAG TGCTCGCTGA ACTCCATGAG CTTCCGCGTC TTGCCGGTTT
21841 CCCAGGTTGA ACTCAGCTTC TGCTGCCGGT TAACGCGGTA GCAGTAGAAG ATGATGATGA
21901 CAGATATGGC AACTCCCAGT GGTGGCAGGA GGCTGATGCC TGTCACTTGA AATATGACTA
21961 GCAACAAGTC AGGATTGCTG GTGTTATATT CTGATGGGGA AACAAAACAA GGAGAGAAGG
22021 AGTTGGATGT GGTAGGTAAG TACTGTCAGG AAGTGGGTTC ATGCCTGAGC ATCTATAGAT
22081 TTTAGCATCT GCATAGTTTT TGTAGATACG ATATTGTTAA TTTTTATTTC AGGGATGCAA
22141 GTGCATGCTC GTTCAGCCTT CCCTGCCTCT GGCCATCTGT TCGTCATCCC CTGCTCTTCC
22201 TTCAAACTTC AGCTTAAATG TCACTGCTTA AGAGAGGCCT AGAAAAACTT GGAAAACTGT
22261 CTTATTTTAT ACATTTTCAT AGCACCTTAT ACTTTTCCTA GGTAACAATT CAGTACAACT
22321 TAAACTAAAT GAACTATGAC TCTACCTCTT GATTTCACAT CTGTCTTTCC CTACTCTTGC
22381 CATCCCCCAC GGACAGGGAA CTCCATGCTG GAAGGTACCA TGTCTTCTTC ACTACTGTAA
22441 ACTGCACTTA GCACACAGCA GGTCCTCAAT ATTGCCAAAT AAAAAGACAA ACCATTTACT
22501 GAGTGTTATC TAAGCTCAGG ACATTGGGAA CATGAAAAAA AATGACACAG CTTCTGCCTT
22561 CAAAAAATCT GCATGTATGA CATCTGGTAA AAACACAGAG CGTGCCACAG TTTGCACCAA
22621 AATCTTTGCT CTTTTTCAAA CTCCAACTTG TTCTGCTCTG ATCAGCATTC AGGCTACCCT
22681 GGGCCCATGG GTGACAGGGA GAGGAGTCCA TGGAAAGGAT CTCTTTGGAC AGTTATCTTA
22741 CATCCACCCA ACATTCCTCT TTTCAGTGTG CATACGAATT GTAGTTTCAT GGAACTGAAA
22801 TATTTAATAG CAACAATGGA AACATGGCCG CAAAGGTAAA ACAAGTTAAA AATGGAAATG
22861 CTGCAGTTTT TTGACTTGGA ATTCTGAAGC AGGCCCCTGT GGGCTGACAA GGAGAGTCCT
22921 TAGCACCAGA TATCTAACTA TAATATCTTG TGCCTCAAAC TTTGTTTCAT GTGCTGGCCT
22981 TGTTGGCTCT GGTGAAATAG TTTTCCTTTT TGGAAGAAGG ACATGAATAG AAACAGACAG
23041 TGGACAGGAG AGAGCAAAAG GCAGCTCTAG TTCACTGGGA GCTTGTGCTG GGCTGCTTTC
23101 ATTGGGCAAA CATGCAGAAT TCTATTGCTT TATGTGTCAT CCATCTGCCC TCCAAAGTAC
23161 CCATTAATGA GCAGGCCTCA TGCTCAGATC CTAGAATCAT TCATTAAATA TATCACTACT
23221 GAGTGTCTAT GATGGGCATG GCACTGCCCT CAGAGAGTAC CCAGTAGAGG ACTTAGGGCA

23281 TATATACAAG TAAGCAATAT ATGGCATCTG GGATAGGGGC TAAATGTACA ATGTAATCTA
23341 TATATTAGTG GAATGTGGAA AAGCTTAGAG AAACATGGAA GGCACAGTAG CAAAAAACTG
23401 CCTTTAAGTT GGTCTCTGAA GAATGGGAAA AGTCAGTGAT GAGTGGAAAG AGTGCTATGT
23461 TAAGGAGAAA GAATATATGA TCTACTTAAG GAAGAGCAAT TATCCCATAC TGACCACTCT
23521 GCACCTGCGG AATAGAAAGG AAAAAAATGG GTAGGTGGTA TGGAACCAAA CTCCGTGTCA
23581 GAAAAGGATC TTTTGATTAT TCATTTGTCA GTTTTCACCT ACAGTAGGTG TTTAAAGAGA
23641 AAAAAAAAAG TGATGAGAAT ATAGTCCAGG TAGAATGAGG ATATAACCAA ATTCTCTCAA
23701 GGGGAACCCA TTACCTAAAT GATACTGATA AAGGAGTTAA GAAGAAATTA CTTGGGCAGA
23761 TAGTAAGGGT ATGGAAGTCC TCGGTAAGGT GTTTCTTTTT AATGAAAAGC AGCCCCAAAT
23821 CATTTTCTAA CAAAGAGCAG CCTGTAAAGT TGAGCTTCAG ACATAGACAG GCAAGCTGGG
23881 AGCTTGCACG GGTGAATGCC AGCAGGAACT AAGGACATGT TCAAGATGGC AGCTCCATCT
23941 TCCCTTCTCT TTGTCAGCCA TGTGTACAAC AAAGAACAGA CCAGATGGTG CTGATCAACT
24001 GGAAAGCCCA TTTGCATAAT AAGATTAGGG TGGGGTGACC AGTCTTCCCC ATGCACTATG
24061 TAAACGTCAT ACCTGATTGA ACCAATCTGT GAGCCCTATG TAAATCAGAC ACCGCCTCTT
24121 CAAACGGGAC TATAAAATCC AGCACATTCA CCACTGGCCC GTCCTTTCCG CTTGGAGACT
24181 CCTTTCTCTA CAGAGAGAAT TGTTTCTCTT TCTCTTCTCT TCTGCCTATT AAACCTCCAC
24241 TCCTAAACTC CTCATGTGTG TTCATATCCT AAATTTTCCT GGCTCATGAT GATGAACCCC
24301 AGGTTATATA CCCCAGTCTA CATAGCTACT TCAGCATCTG ATACTTTCTT TTTTTTTCT
24361 CGAGATGGAG TCTTGCTCTG TTACCCAGGC AGCAGTGCAA TGGCACGATC TCTGCTCACT
24421 GCAACCTTGC CTCCTGGGTT CAAGCCATTC TCCTGCCTTA GCCTCTATGC CCAGCTTTTT
24481 TTTTTTTTTT TTTTTTTTTT TTTTTTGTAT TTTTAGTGGA GACGGGGTTT CACCATGTTG
24541 GCCAGGCTGG TCTTGAACTC CTGACCTTGT GATCTGCCCG CCTTGGCCTC CAAAAGTGCT
24601 GGGATTACAG GCGTGAGCCA CTGCGCTTGG CCCAGCATCT GAAACTTTCA TCTAACGAAA
24661 CAGTGAGAAA TGAAGCTGGT ACATATCCAT TTTTAAGGTT TATGTGTAAT ATGATTACTT
24721 GTTCTTAAGG TAAGTCTGAG TGGAAATGCC AACTTCCACT GACTATATAT TCTAGATGAA
24781 AATCTTGGGT CTAGTAACCA GAGAAGTAAC CCCAAGATAT CAGAATTCCA GCAACCAAGA
24841 GGGAAAAAAA AAATCACCAT TTTTTGGAAA GATATATGAA TGCATTTTAA AAGTATAGGG
24901 AAAGTGAGAA AATTTGGTGA TTGATCCTTA AAAACATAAA TTCTTACACT GGGAGGCTTG
24961 GATTGGGACA AAGAACAGGC AAGAGTAGGG CAGAAATGGG GTGGGACAAA GCAATTACAG
25021 AATGATTGAA TGCAAAAGAA AAAAAAGATG CTCTTGTGGA GATGTATGGA CTGTCCCTGT
25081 TGTACAGCAA ACAAAATTAA GGGGGCAGAT GAACACAACA CAAATTCAAA CACAACAGCC
25141 GATCCAGCAG TCGGCATTTC CACTTAGGCT TACCACTTCC ACAATGCTCC CTGCCTGAAA
25201 CTCCACCTCT ATTATATGTG GTATCCAATG AATGTGTTTG CTTGAAGTAC CCACTTGTCT
25261 CCGGTCTCTG TGTCTGTAAC TACATGGAAT GTCTTATAAT CAGAAATCCA CTTGATTATC
25321 TGATTGCTTC TCTCCTGACA AAGCAGGGTA GTGGCCAGGT CTGTTTTGAT CATCATGATA
25381 TACACAGCAC CTGGGGCAGA ATGGGGCAAT TTATGGTATT CAACAAACGT TTGTTTTAGA
25441 AGCTGAATGA TTACTTACGT GGAATGATAC TTCTCAAATT TTTTATATTT TACAGCAAGG
25501 TTTGACAAAC TATGGCTCAG AAGTCCATGG CCTGCTTTTG TATAGTCCTA TGACCTAAGA
25561 ATGATTTCCA TCCCCATTTT TAAAGAGTTG TTTAAAAAAC AATAAAACTA AGAGGTTCAT
25621 GCAACAGAGA TCTTATCTGG CCCAGAAAGC CTAAAATATT TACTATCTGG CCCTTCACAG
25681 AAAAACTTTG CTGACCCCTG TTCTAGAGGT GTTATTTTAA TAACCTCATT GGCAGAATCT
25741 GGAGAGACTT CACTTTGGCC AAATGTGAAT ATGTAGTCAA TTTTTTTTCA CATATGAGAA
25801 ATACAATTTG AAAAAATTTA AATATTAACT GCATAATTAC TTAGCTTTGT CCTTAATTCA
25861 CTAAAACGTC CAGATGAAAT GTTGATTCAT CATGGATAAT TTTATTTTAC AATTCCTAAA

25921 TATCTATAAA AACAGTCGTA TTTGCTAATT TCAATTCCTT TTTAGCCTAA AGGAAACACA
25981 AAAACAGAAA TCCCCTTAAG TTTATGTGTG GCACTGACTG AAGAAGATTC TAGAAATCCC
26041 CAGTTCAATG TCAGAAACCA AAGTTTTACT TTCTCCTAAA ATTTCCTGTT ATTTCTTTAG
26101 AAGACTTACA CTTAAAAAAT TTGAGGGGGA GGAATTCTTG AATAACATCT GTCAATCTTG
26161 AAACTTCAAA GAGGTGGTGA AAAACTCTAA CAATAGCAAC CAGGGCTGGA AGGAAGCTTT
26221 GGGATGTGGC TTTATCTAAA CAGGAGCCAC CCACACCCTC TGGCAGTATT AACCCTTGGG
26281 TTGCTACTAG AAAACCCAAC AGCTGTTGGT GTAGGTACAA GCCAGCATCT CCTTTAGTCG
26341 AAGACCAACA GGAAATGCTT CTTTTCATCA GCCGCCAGTT ACAGAGAAAC TCATAAACTG
26401 AACACTTACT AAGTTCCTGG CTGTGTGCTA AGGATTTTAT AGAATATTTA AATTTAATTG
26461 ATAGAAAAAC CCTATGAGGT AGAAACTGCT ATTATTATAA ACCCCATTTT ACAGATAGGG
26521 AAGCTAAAGA TCAGACAGTT TAAGTAATTT TCCCAGATGA TAAATTTAGG CAACAGCAAA
26581 GCTGGTATTT ACAATGAGCA TTGCCTGATT GGAGAGACTT CTGATCTCAA CCCCATACCT
26641 GATCTCTAAA CTTCATATTG GTGAGAGCCA ACTAAGAATG GCAATGACCT TAGGCTGGGT
26701 GTGGTGGCTC ACACCTGAAA TCCTAGCACT TTGGCGGGAG AATCACTTGA GCCTAGGAGT
26761 TTGAGACTAG CCTGGGCAAC ATAGTGAGAC TGTCTCTACA CAAACTTAAA AAAAAAAAAA
26821 ATTAGCCAGA CACTGTGGTG CTTCCTGTAG TCCCAGCTAT TACGGTGGCT GAGGCAGGAG
26881 GATTACTTTA CTTGAGGCAG GAGTTCAAGG CGGCAGCACA CTATGATCCT GCCACTGCAT
26941 TCCAGCCTGG GTAACAGAGC AAGACCCTGT GTTTGTGCGG GCGGGGATGG GGGGGTAGGG
27001 GTTGCGGGGG AGGGGAAGAA TGACTTTATA TAAGCTCCCA ATTTGATAAA GTGTTTTTCT
27061 TTAGTGTAGC CTGGACTAAG TGATTTTACA GCCATCCACC GACTGACATT GGCAATTCTT
27121 GTATAATGTG TCTAAAGGAG TATATTTTGG GTATGGGGAT TATATTCCTT TGTTCTGAAC
27181 TAAGAACCAC AGTTTAGTAG TGTCTCTGTA AATATGCATC TTTTTCCTGC CAGGAAATAA
27241 AAAGTTTTAT GTGAAGGAGA ACCCCCAAAT CTTTTTCTTT TCTCAGAGCC TATTCTCATG
27301 GCCTAGATCT TAGCAGAGCT CAAAACATAA TTGTTGCACT ATTGGGACCT TCCATGAATA
27361 GTAATAACAT TGAACCAGAT ATAGCTCTGA AGGGCATTAA AAATAAGGGT GGAATTTATC
27421 CAAGGCCCAT AAAAAAATGA GGCTATAATA GTAAACATTT TTAGCCTGGG TTCCATAAAT
27481 AGAGTTCAGT GGGTCTGTGA ATTTGAATGG GCAAAAATTG CATCTTTTTT TATTTTCTCT
27541 AACCTTTAAT TAAAAATTAA TATTTCCTAG TATCAGCTGT ACCTATGAGT TTGTTGTTGC
27601 AGACGTCTCA GCATGTGACT TACGCTCACC ATTTAGACAT TTCAATTGTT TAGATCTGCT
27661 GCTATTGTTA TTTAAAGCAT TATTATAGAA ACATATATTA CTATAACACA AATTCATTTT
27721 TAAAATATTT GGTCATTGTA TTTCAATGTA ATTGGTTTTC TTTGAAATAC TCCATGTTCT
27781 ATTTTATGCA TTTAAAAAAC ATCACAGTGA GAAGGGGTCC ACAGGCTTCC CTACTTCAAG
27841 AAGTCCATGG CACAGACACA CAAAAAGGGA AGCTCCCTTG GCAGAGTGAA GGCATTTGGG
27901 CTCTAGTCTC TTTTCCAGGA CTTGCTAGAG CAGGAATTTT GAGATTGATG GGTTTCTCTA
27961 GGAAGTTGGT AACTAGTGCC AATGGGAGAT CTGCCTGGCT TGATTTGTTG TGCTGCACAT
28021 GGACAACTGT GGATGCTGTC GGAGCTTCTG TGGAGTGGGA AGGGAGCTCC GCAGTGTAGA
28081 ATTTGAGGAG AAGCCCTCCT TTGAAATCTT GTAACAATAA GAAAGATAAC TCATATACGA
28141 TGTGCTTTGT TGGGTTAGGC ACCGGACAAT TTATTTTGTA AACATGATCT ACTTTATTTC
28201 TCCAATAACC CTATGTATGA GTTAGATTCT CTTACCCCCG TTTTACAGAG GAGGATACTG
28261 AACCTTGGTT GCTTCTACAA CATTTTTGTC TACTTAGTAA ATAAGTATTC TTGTTAAGTA
28321 AAAGTTGTTC CTAGTAAGTA CTCAATAAAT GAATGCTGTC CTTTTAATGT TATAATTAAC
28381 ATGACTTGAG ACAGGAAGTT CTTCCTTCCC CTCAGCTATC TCTCTTTAGC ACAGTTTCCT
28441 TCTTTGGATC TCAGCCAGTT GCATATATAC TCTCGCTTTA GGTGAACATG CTGGCATGTG
28501 AACATCCTTG CGGCTAGAGC TTCACTGCCA ACTTCACAAG AATCTCTCTT GGCATCTGAG

28561 GCTCATTAGT GCACTAATAC ACCAAGGTGT GCGAAAAACT GTCATCCACG TCCCTTTCTA
28621 TTGCTCGGAT AAATTAGTAT CCCACTAAAT GTTCACCCTA AACTCCTTTA CCGAGTGGAG
28681 GAATTGCCAA ACTACTTCAA ATATTAAAGT AGGAGCCTAT CTCCCAAATT CAGCTATGTT
28741 GATTTGCTTT TTATCAAGAC ACATTAACTG ATCCACATAG GATTTTATTT ACCAAGTTGG
28801 CCTTAATTTA ATGCTTTTAT TTTTTTAACC AAGTGACTTT TATTTAAAAT AGTGGATTAG
28861 GGAGGTTCAG TTTTAAGTTC CTTTTAGGAA CTGGTGTCGG CATAACAAAG GACATAAAAG
28921 AGGCTGAGAG CAACGTGTGT GTGCGCGCAC GCGCGTGTGC ATGTGTGTGC GCACATGCAT
28981 ACTCAAGTTA TAAGACAAAT TGTTTACTTT TCAATCACTC CAAAGGAAAG TATACCACAG
29041 GATTTCCCCT TGAGGTTTTC TGCCAGTTTG TATTTTTTTT TATGGCATAC TAACATTTAT
29101 CTTTGGAAGA CAGAAAAAAA AAGAATTTGA CATTTGTCTT TAAAAAAATA TTTATGTAAC
29161 AAGACTCTGA CATTTGCAAA TGGCTCCTTA TTTGCAACTA AGTCTGGCCT CTATGAGTGA
29221 CAGAAGTGAC TGGAAATTTT CAGAATTATT AAATGGATCT CACAGTTCAT TGTTAAGGAG
29281 ATAGCTTGGT GGTATGGAAA GAACAAAAGC TTTGAAGCCA CTCAGATGAT TAAAAAAAAA
29341 TGGGGGGAAG ATATGGTGCC TCACACCTGT AATCCCAGCA CTTCGTGAGG CTGAGGTGGG
29401 AGGATCACTT GAGCCCAGGA GTTTGACACC AGCCTGGGCA ATATATTGAG ACCCTGTCTG
29461 TATAAAAAAA AAAAAAAATT AGCTGGATGT GGTGGTGTGG GCATGTAATC TGAGCTACTT
29521 AAAAGGCTGA GGCAGGAGGA TCACGAGCCC AGAAGTTCAA GACTGCAGTG AGCTATAATG
29581 GTGCCACTGC ATTTTAGCCT GGGCAACAGA ACGAGAACAT CTCCCCCTGC CCCCCCAACT
29641 CCCCCCCCCA AAAAAGTTAG CCCTCTCTTC CTCTTTCCTT TCTCCTAAGG GTATTTAAAA
29701 TAATATACTT GGCCCAAGAG CACAGTATGG CCCTCAAAAC TAGAGAAATT ACTCTGATTT
29761 CTCTCTTGTG AAAAAGAATT CATTCCAAAA TAAAACACAG ATACAGAAAA GTGCATAAAA
29821 CAAGTGTCTG GCTTAGTGAA TTACTATAAG ATCAACACTC TTGTAACCAC TGGTCAGGTC
29881 AGAAAATATA ATTTTGCTGG CCACCCCAGA AGTCTGTTCA TGTTCCCCAA CTCAATCGGA
29941 GATCCCTCCC TTCCTCTAAA AAGTAATCAC TATTCCTGGC TTTTATAGTT ATCATTTTCT
30001 TGAGCTTTTA AACTTGTTTT ATCATCCAAG TATGCATCTG TAGTCGTCTT GCTACTAATA
30061 TGACTGAATA CAAATGGCAA ACCTTGCTTT TTTGCAGAAT TACTGTTTTA AAAAAACTTC
30121 CTACAATAAA AACACCAGAA TCTTTAAAAA ATGTTTAATC TGAATTAATC AAATCATCAG
30181 ACAAATCTAC AAAGTGCCTT TATAAAGTAC ATGAAATGGT CTGACCTATT CAAATCAAAG
30241 TCAATGTCAT GAAAACCAAA AAAACACACT GTAGAGGCAA AACAATCAAT TTTAATGTGT
30301 TGTCCTTGAC TGGATTCCGA ATTTAAACAA TAGACCCATT AACCTTGAAG AAATCTGAAT
30361 ATGGACTGTA CTGTATATAT ATTTAGATGT ATATATGTGA ATGTATCTGT GTCTTAGTAT
30421 CTGTATACAC ACACACACAC ACAGAAAGAG AGTGAAAGCT AAGCACTCAC ATATATGCTT
30481 CATATTGCAG AGTTCAAAGA TCTTGCCATC ATTTTCTGTA CCTTTAAAAA TTTTGTTGGC
30541 ATGTTACATA AAGAATAACT TGTCACCTCG TTATTCTAAG TGTGCCCGCA GACCAGCAGT
30601 CATCAGCATC CCCTGGGAAC TTACTGGAAA TGCAGAGTCT TAGCGCTGTC CTCAACTAAC
30661 TGAATCAGAA TCTACATTTA AAAGTTCTCT CAGTGATTCA TTTACACATT CAAGTTTCAG
30721 AGGTAAATTT TATTCTTGCT AAACAGTTTA GCAAAAATAA AGTTAAGTTC TTTGGTACTC
30781 TGCCATAGAG ATGCTTTCCT CCTACAAAAA ATTTCTTAGT GGAATTGTTT GCAAAGCTCT
30841 GGTACAGCTG TATTCAGCAC TAGCCAATGA GAAAATGGCC CATGATAATT TTCTAGTCAA
30901 TTAACTGGTG GAGGAGTGTA GAATGAGATA TGCTTCCCCA TCCATCATCC TAGTAAAAAG
30961 CACACCAATT TAGGCAAACA ATAAAAAGTC ATTTCAATTA AACAACAAAA GGACAGTAAG
31021 CTCACTAGCA ATGAAGGATT TAATTTAACT TCTAGCTATT GATAGCACTG TTTGACATTC
31081 TGGATATATT TTGAGAGTAT TTTTTCCTCA AATGATGAAA GAAGTCTTCT CTCCAATCAA
31141 TGTGGTTGTT TTATTCCAAC TGCACATATT TCAGAACAAA GCTATTCGCC ACCTCTCCTA

31201 TCCCATGGCA CAGTCTCCTT TGTATTATTT CCTTCTTATC TCTCTCCCAG ATGGAAAAGC
31261 CTTGCATGTA TTCTAATCCA GTATGATAAT CTCTTTCTAG AATACCCATG AGAGGTAGAG
31321 GTGAAACCTC TGCCTGAAAA TGTTATGGTA GAAGGACATC ATTCCTTTGT TATCATTCCA
31381 TAATCAAATC ACAATATTTC TAACTGCAGA TATATTGGGA TAAAGTCTAA ATATTGGGAT
31441 ATGTTTAAAA TTATTCTTTA CATTAAGTCA AATGTAGCCT CTGTGTGCTT CTATTATTGG
31501 TCCTTCTGCT GTTCTCTAAA GCAAAAAGTA ACAAAATGAA TCCGTTTTCT ATGGGATGAG
31561 AACTATTAAA CTCCTGCTGG ATATGAAACT CACAACCCCT AGATCATTTC ATTTTCAGGT
31621 TGAACAGCCA TGTTTTCCTC GGTTACTTTT CAAGAGATAC ATTGATGAGA CTCTAAAGTC
31681 TGACAGATTT ATCAGACCCT AAAATCAGCC TGCCCAGCAT ATAGCGCCCA ATAAATGCCA
31741 GGACCTTTTT TCTAAGGGTA AAGTGATCTG TTCTCTGAAA CCACGCTTGC TATTTAAGAT
31801 TCTTCATCAT GTGTTTTGAT AGACACAGAT ATAATACTTG GAATATAACT TGTGTAGCAA
31861 AGATTACAGC AGGACTCTCA CCTCCTCTTC CACCAAGTGG AGTTTAAGGC TCCTGATGGT
31921 TTGTTCTTTC TGTTTTGTTT TGATTCTTTC AGCCAGATCA TCCTGATTTC AAAATGACCT
31981 TAACTCACCT CTAAACCCTG GGGTCTTCAT CACATGAGCA GATTCCCAGC CAGTGTTTTG
32041 ACAAGTGCTC CTTTGCAATC GATTGTTTGA ACCTATATGT CTGATTTTAC ATCTACCTGT
32101 CAAGTTTTAG AAAATTGGTC ATTTCAGGCC ATTAAAACCC TGATTCAGCC TTTGCTCTTT
32161 TAGGCATCCC TTCCACTGTG CTTTTCACCC TTTATGTTCC TCCTTAGGAT ATAGATTCCT
32221 GCTACTTCTC TTGCTCTGAC TTTAAAAGGA GGGCAACCAA CATTAGGAGG GTGCCTACAA
32281 GGTACCAGGC TTTGTCCAGG AAATGATGAC ACATCTGTCC TCCCACAAAG AGAGTTTCAC
32341 ACCTGATATA TGTTCTTTGG AACAAGATTT TTTTTCATTT TCTTTTCTGT GTTATTGCAG
32401 TTTTCTGACT ACTAAAAGCT TAGGTTTTGT TAGGATCCCC ACACCTGCCC TGATTCTTTA
32461 ATTCTTTTTC TGGCTGGCTG TCTGAATTAC ACCTTGTACT CTGTCTAGGG GCCCTCATGT
32521 TCTCAGGAAA CCTGAAAGCA AGGTACATTT CTTAAGTTAT TTCAGGATGC TCTCCAACAG
32581 GGAGACCAGA TCGCTTTGGA AAAGCATATT CATTATTCAC AATACCTGTT AGGTCACCAG
32641 AATACATCCT CTCTCTCTCC CTGGCTTTCC AGGTGAACCA CAGGCTTCTG CAATTCCTTC
32701 CCACCTGAGT TTCTCACCTC CTAAAATCAT GCACACAGCC TCCCTGGTCC CTGCCTTGTC
32761 TCTGCCAAGG CAGTAGCACC CAAACCTTGC CATCCAACCT TTTGGACACA TTAAGGTTTA
32821 AAATGTGCTT TCCTTTAACG TATAATTTAA TCAGTTTTAA AAGCTAAGAT GCCTATTCCC
32881 AATGAGGCCG TTGACCTTGT TCCAAAGCAA TTGCTTGTAA ATTGTTGTAG AAAACAAAAT
32941 AATATCCCCT CTTAAAGTGT CTTGCTATTC CTCCAAGGAT GGGGTAAAAC AGGTGTTGGT
33001 TTTTCTCCTC CTCTAACCTT CGAAGGCATA ATTTTGGCTC CTTCCTGTGG TAGCTGCCAT
33061 TCTTTAATTG TTACCGTCCC TTTCCAGGCT ACAGGGGGAA CGTGACGAAA AATATAAAAA
33121 GATTTGGCAG AACAAACTGT CTTGAGTCCA GTGGTTCCCA ATGTGGGCTG CATATTAAAA
33181 TATCTTGAAG AATTAAAAAA TAATTCCTGA TACCAGGCCC CAGACCAATT AAGTCAGAAA
33241 CTGCAGGAGT AAGACCCAGT TAATGAGTAG TTTTTAAAGC TACTCAGGTG TTTCCAATGT
33301 GCAGCCAAGC CTAAGCATAA CTACATCAGC CTGGTGGAAG AAACAGGTAT TTCGAATAGG
33361 ATGGGGCCTG GAAAATGAAA GACATGGGAA TAATTTTAAT GACTACATTT CAGAGAAATT
33421 GTTCTTGACA TTGGAACCAA CTATATCCTC TAATTAGGCA ACAAAAGGCA TATATATGTA
33481 TATTTTTAAA AGTAGATAAG CAAATATAAA TTATTTCTCT AAAAGTTAAC ATGTTTTTAA
33541 AAAAAAGCAT AATTTGTAAT GGCAAAATTG ATATTTTCCA CAACAGGTAA CATGCAGGAG
33601 CGATTTAGAA TACAAAAGGA CTTTCCAAAG GCAAGTCATC CAGATGTCCA AATGGTGGTG
33661 AATACAGCCT CTGGAGTATA CGTGGGTGGA AATAAAAGTC AATTTCACAG TGGTTAGCCA
33721 CCTCCCTGAG CCTTTTTTTT CCCCTGGTGG GACACTGAGA CACTCGCAAA GCAGCAAAAG
33781 GTCTCAGTGG ACCCTTCTTG CCATTACTCA TGGGTGTGGA GTTTATGGAA CACATGGAGG

33841 CCGCAGTGGG AGAGACCTGA GGCTGCAGAG GAACCACCCG AACCTTGCTA CAGCACCAGC
33901 AGTATGGGTC CGACTGCTTT CTTGGCCACT CATATCCAGT GGATGGAATT TGAGACAGCC
33961 TGTGTCCATA CTAGATTCCA CTCTGCTGAT TCATACCAGA ATGAGGTTCT AGAGTACAAA
34021 TATTCACAAC CAGAAAGCAC ATCTGGCCTC AGTGCAGCTT TGTTTACTTT GCTACTTAGG
34081 AAAAAAAAAA ATCTTGAAAA GCGAGTTGCT TTTGCCTTAA TTCAGTTCAA ATACATTCTA
34141 AGCTTCCTTC AACTGAGTCA CAGTGTCCTC TATCATGCAA AATCTTTATT ATTTCCTTGG
34201 CCAGACATAG GGCCATATTG ATGAATTCCA AGTGTGCTTT CTAACCAAGG CTGGTTCACA
34261 ACAAAAAGCT GCTTCAGCTC TGAGTCATCA CCTCAAATAA CTGATTTCTC TTCTCAGGAA
34321 TGAGACTAGC AACTTTAATC CATAATTTTC TTCCTCTTCT AACAACTTTT CTCAACCATA
34381 TTTCCACACT TATTTTTTCT TCTGCATTTA GACCAGAAAG TAAATCTGGT TTGTTTCTTT
34441 TGAAACAAAA ATGCACAGCT GGAAAGCCAG CTATTTTGAG GCGTGAGTGC ACAGTTCCAA
34501 GGCAGCATAC CTAAAATCCC CCAGAGCTAC CAAAACACCA TTTACTCTTT TCATTTCTTA
34561 CATGCAAGAA CTAATCATTT CCCCAAGAAG CCAGCTCCCT GGTGTTGGAG CTGAACAAAC
34621 ATAAAATGAG ATTTGGGAGA AAGAGGGCAG CATTTCTAAG ACTTCCCTTA CTCGGAAAAC
34681 AACGGAAGTC AACAAAATGC TCAATGCATG CGATCAGTAC ACAGAGTGGG TTTGCTGGAT
34741 GGTGTAAAGC AACGACATTA AGGACACAAT GGGTCCAGAG GGAACCAGCT GGCTGAGATG
34801 TTCTGCTAGC AAGTTAAACA TAGACAGGAA ACCGCGTGTC TGATACTGTA AAAAAATAAT
34861 TTGTCTTCCT GCCAGAGATA GGCTAGCAAA CCAAAAAGGC TGTTTTCACT TAAAAGAAAT
34921 GCTACAACAA TGAGAGAGGA AGGAATGAAA CTTTGTGGCT ACAAGAAGTC TTCTTCTCTG
34981 CCCCTCTCTC AACATCTCAG GTTAGAGGGC ACACATCACC ACACTAAATG CTAAAGCCTG
35041 CACATAGCTT GCGAGTCAGC AACGTGCACC ACTGGGCATA CATCTTATGG TCTGCTTCCC
35101 TATTTAACCA CATAGATTGA ACTTTGAGTC AGAAGTGGTT ACTCAAGTCC TGGTTTCTAA
35161 GCTAGCAAGA TATAATTGAT TTATTTACTT ACAGTCCTAT CCCATTCCCA AAAACAACAA
35221 CAACGACAAC AACAAAAAAC ACAGTGAAAG AAGATACAGT CAAGACAGGA GCTATAATTA
35281 TGACAAATGG AATATAAATG TGAGAAAACA GGGTAAAAAC TGGTAAGCAA GAGTGATATT
35341 AGTATGCTAA ATGTGTAGGT ACATATTTGC TAGAAGCATG ATTCAGATTT GACTCTAAGC
35401 TTTTCTGGTA GTTAGCATTT GAGAGAGAAA CACAAAAACC ATGAATATCT CTATCAGGGG
35461 TTGGCCTGAG CCCTGTTTTT GTAAATGAAG TTGTACTGGA ACACAGCCAC GTCCAATCAC
35521 TTACACACTG TCTGTGGCTG CTACCACAGA AGAGTTGAGT AGCTGTGACA GAGACTCTGC
35581 CCTGCAAAGC TGAAAATATT TACTATCTTG CCTGTTATCA AAGAAGTTTG CAGACCCCTG
35641 CTCGGTATGC TTCAAAGTGT CCTTAAGATC AGAGGCAAAC AGGTCGTCAT GAGGAGAACA
35701 CCTTTCTAAA ACAGAGAGCC AAAATAAATG TCTCCTGGCT TCCTCATGAA GATAACAATA
35761 CAATGCAGTG AACAGCATCC TCCACATTCT TTACAGTAAA CATACCACTT TGATTCACAG
35821 GACTCCTTAT AATGGGGAGC ACCTCAATAG GACTCAGGTG GAGGAATTTG CAGGGAAGAG
35881 GAGAATACAT GACGTTGGTA CAAATCTCCT CACTCATCCA GCTAAAGGCA AAGATAAGAA
35941 ATTTGAATCT AGTGGAACAG TAATAACTAT TTACAGTCAA AATTCATTAA GTGCTCACTC
36001 TGTGCCAGGT GCCGTGCCAA GTTCTCTACA TAAATAAATA CATTTATCCT CAAAATAATC
36061 CTATTAAAAG TATTCATTAT TTCTACTCCC ATTTTTCAGA GAGGTAAACA AGTAGTTACC
36121 CCAAGAACCA AGAGCTTACA CACGGCTGAG CTGGGATCTG AACACAGGCA ATCAGCAGGG
36181 AAGCCATGCT CTCAGCCCTG CCCTCTGTTG TCTTCCCAAC AGATGAGCAT CTTACTGGCC
36241 ATCGTTTATA CACATCATTT CTCACGGACA TGGAAACAGT GTCAGCCTGA GGTTGTGCCT
36301 CTTGCCAAGG ACATGCTCAG TGATGGGTCT GGGCTGCCGT TTGGCAAACA GAACAGGTAG
36361 CCTCTTATGT AAGTTGTGCA GCCTCCCATG GGTTAAGACT GATAAAAAAG CAAACACACC
36421 ACCACCACGG GAATGTGGAA GGGTAAGGGT ATTCCTTCTA TAAGAGACAA GATTATCTGG

36481 TTCTTCTATG ATTCTCCTAC GGACAAAAAG TGAGGAACAA ACTATGAGAT CTTGGAAAAT
36541 CCCAGCTCCT CTCTGGAGAC CCACTTTTTT GTCATTAAAA TGAGAAGTCT GGAGGAGCCA
36601 ATTCACGGGT TTCACTTCAT CATAAAAATG TAATGAGTCT ATGAAACAAG ACAACACACC
36661 TGAAAGTAGT TAGCACAGGT GCACACATTC AGAGTAGGCT GCAATCCAAG GCAGCGATCA
36721 TCACTATAGT TGTTCTATGA GTTCCCACAG CCTAGGCCAT GGGCTTGCCA CCACCTTGCC
36781 TACATTTCAA TTGGAAAAGG GGTGGGACCC TGGTCCTGCA AACAAACTAC TGAAAGTCTA
36841 GGACTTGGGT CCAATGCTAT CCCTTTCCTA TATGGCCCCA GTGCCTCTCA TTTTCTAGAA
36901 TAAGCAGTTC AGTTCTAAGT TAGCAGGAAA AGCAAGATGG CCAAGATCCA GTCATTTGGG
36961 AGCTGGAAGT GGTCCAGCAG CATGCCTCCC TTCATCCTCC TTGGCTTACC ATCTTGTTTT
37021 CCACGTACCC ACCTTCAGCA GACAATCTTA GCAAACAACC CAAGAATGAA CTGATTCAGG
37081 CCAACTCTTC TTAGAACCAC ACTATTACTC TCCAGGGCTT TCCAAGGCCA CCAAACATCT
37141 CCTTCATTGA TCCAGTTCAA AACAGTATCT TGTACAATGC ATCTTGAAAA CATTCGCAAA
37201 TGTCTTCTTG TTTTGGGAAA TATTAAGGGA TAGTCCCACA GATAAACTAA TACAAATACA
37261 ATAAACTAAC ATGAACATGA TCACAGAAAC AAAAGAAATG CTTACTGAAA AGGTGTCTGA
37321 TTTTCTCCAC ATTAAGATCC ACACCAGAAC AACATTTGTG GAGTATATTT AAAAAATAAA
37381 CTATTGTCAC TGCTGAAAAA GACCCACATG CCACTGGAGA GCTCTGTTAC ACAAGCTGAC
37441 TGAGTAAAGT ATATTTAGTT CATTTCCAAA TGACCAGGCT TTAGACCAAA TTTATTCCTC
37501 ATGGGCCCAT TAGCTCAGGG AGTTACCAGC ATGAAGTTAA TAAGACCTCC ATCTCTGGTT
37561 CCATCCCTAC CTGGTGAGTT CACACCAGTG CTTCTCACAC TTCAGTGTGC AAACAAATCA
37621 CTGAAGGCCT TGTTACAGGC AGATGCTAAT GCAATAGGCC CCAGAGGACC CAAGGTTGTG
37681 CAGTTCTAAT AAGCTCCCGG GTGATCCTGC TGCTGCTGGT CTAGACACTT TCAGTAGCAA
37741 CGGTTTATAC CGTTCAGAAG AGGTATGTGT CTTGGTGTAG AGTGTTCTCC TTAATCAGGG
37801 GAAGAAGAAG TAAGAAAGGA TGCACCTACT GTGTGCCAGC CACTGTGCTG GGCGCTCCCA
37861 AGCATCATCT CCTTAAATCC CACAACAACC CACAGGTACC ATTTATCAGC ACTACTTGGC
37921 CAATAATGGC GCAGTCATTC AAAGAGAAGG CCTTGTGGCC CAAAGCAAGC TTTCCATGGA
37981 AAAAATGAAG AGGGAATGAA TCCCTTTGGC AAGTACAGAA CTGCGATTAC CCTAATCACT
38041 TATGTGAAAG GCACTTGTGG GTTGTTTCAG TTTTATTTAG CTGCTTCCTG CTGTGATTCT
38101 GAGTCAAAAC AGGAACAACG TGTCTAATTT GTAATATTAT CCAACAATGA CAGGGATGTG
38161 GTTAGCTTTG ATTAGAAATT CTAGACTCAG CATGCTCCCC TTGCCTCTGT GAAGGCATGT
38221 GGAGAAAAAG AGAAACTGGA TGAAACAGGG ATTAAAGCAA AGTGAGCCCC TCCAAAACCT
38281 TGTGGTGTGA TATGTAGGTA TCCGAATGCT CAGTTTATGC ACCACAGTCA GCACTCAACT
38341 ACAAAACTTC AGTGTTAGAA CAGACCGAAG GCTACACAGG CCTGGTTTCC TGCATTCAGA
38401 CAAGCACAAG TCACCAGCCC TCTATAAAAA GCCCAACTAC TGCTAACAGC TAACAGACAG
38461 TGACATGTCA GGCAACGTTG CAAGCACTTT ACATGCATTA ATCTACTCAA TCCTCACAAC
38521 ACCTCCCACC CGCTTTGTAT TTCCATTTTA CAGATGAAGA GACTGAAGCA TGGAGATGTC
38581 AAGTCACTGG CCCAACATAG CAGAGCTAAT AAGCTGTAGA ATAAGCCTTA AATCCAGGAG
38641 ATCTAGCTCA TTCTTGAGTA TTACACTAGA CCGTTTCTCT CTTACCTAAA CCAGCAGAAA
38701 TCACCTCTTC GCTCAGTGTT CCACAAATTA AATGTCTGAC TGCACTTGGA AACCATTTAT
38761 GAAATGAATA AAACTGAGTT GTTGTGTTTG ATTCTTACAG GTTCAGTGAG AGATCAATAA
38821 CCATATCATG TCTTTGCAAA GTGGGGATGT CATTGGCAAG TAAACAGCAT GGCTATTTGC
38881 TCAGGATTCC TTCCTCTCCT ACCTCCTGTG CTGCTGCCTT CAGTCCTGGT GCCCATCAGG
38941 TCTCGTCTGA CTGACAGCTG TCACCAGGCC ATCCATCATG ACCAATCCAA ACAACTTCTC
39001 TTCTAATTGG AATTTTATAT GTTGGTTAGT ACAGGGATAG ACTCTGATTT CCTTAGAATT
39061 CTACACAAAA TGTTCTGGCA GGAGGGAATC TTCAGAGACT GGGAGGGAAG CATGAATGTG

39121 AGAGAACAGT TGTGCAGTGC AGACCCCAGC CCCATTCTAG TTGTTTCTTG ACCCCTGCCT
39181 GCCCTTGGTC ACTGTAGGGA GGCAGGGGAA CTGGCACTAG GCCCCACTGA GGGATTCCAG
39241 GGTTAAGGGT AGGTACCCGG TTCAAAGAAA AAAACAGCAA GGTTTCTTTA ACTCTTTCAT
39301 TCTAAAAACC ATGATCTCAG TCCTCTGAGG AAAGGGCATC TATGACACCA GTGTCTGATG
39361 TCAAGATGTT ACCGTGTTCC TCTGCCTCTA CAGACAACCA AGCCTCATTT ACAACAACAA
39421 CAAAAGGAAC AAATGTTAAA TCTCTGCACC ATTTTGTCTA GATGTTTGAA TTTGTCTAGC
39481 ATTTGAATTT TTTATCATAT GCATATATTA TCTCTTTGGA AACATACAGA GATATAAAGA
39541 GAAAGAAGGA AATAAAAAGA GGAAAAAAGG AAAGAATTAA AAAAGGAAAA AAGGAAAACC
39601 TTCACAGGTT TTAGTGCCTT ACATATCCCA TTATAAATCC TAGCTTTGAT ACCCACTAGT
39661 TGTTTGATTG TAGACAAAGT GTTAAATTTC TCTAAGCCTG GTTTTCTCAT GCATAAACAG
39721 GGATCCTAAC AGTGCCTACT CGCATGGGGT GGCTATAAGA TTAAATGAGG TCATGCTTGG
39781 AAAGGGCTGA GCTCCCTGCA CAGCGACAGT ATGTTTTCTC TGAATATTAA CTATCATTAA
39841 TAGTAGCACT AGAAATAAAG ATCCATACTT AAAATCTTGT GGCTCAACTT TTTTTCTTA
39901 CATATTAAAA AAGGTAGATG TACATAATTA TCATCCATTG TGTAGCTGCA GATCAGGAAC
39961 TTGCCAACAA GAGTACTGTA CTACTAATAA TACAGCCACA ATGCACTTCA TAGCTTTTGT
40021 GTTCACCACC TTGTTGGACT TGGAGTAGAC AAATCAACAT TAAGAGTTTT CATTCTGGCC
40081 GGGTGTGGTG GCTCATGCCT GTAATCCTAG CACTTTGGGA GGCTGAGGCA GGTGGATCAT
40141 CTGAGGTCAA GAGTTTGAGA CCAGCCTGAT CAACATGGTG AAACCCCGTC TCTACTAAAA
40201 ACATAAAAAT TAGCCGGGCA TGGTGGCAGA TGCCTGTAAT CCCAGCTACT TGAGAGGCTG
40261 AGGCAGGAGA ATTGCTTGAA TCCAGGAGGC AGAGGTTGCA GTGAGCCGAG ACTGCACCAT
40321 TGCACTCCAG CCCGGGTGAC AGAGTGAGAC TCTGTCTCAA AAAAAAAAAA AAAAAAAGTT
40381 TTCATTCCTC AAGATAAAGA AGAGATGGTG GCAATAAGGG GAGAAATGGA ATATAAAATG
40441 TTGCTCCTAA TGTCTGCTGT TTTAGGTGGA AGAAATATCC CACCACACAG AAAAGAGATG
40501 CTTAAAAAGC AAACACCCCC TACCTTCTGG AGCATTTTAG AAGACTCTGA AATCACCCAG
40561 ACATTTGAGT CGTCAGCTGT GAAAGGCTTC CTGTACTGTA CAGTGAGAAA TTGTCTTTAT
40621 GCTTATTATC TCACTTCATA AGAAAGTCTG AGAATAAATA AGAGGAAAAA TATGAGGGAT
40681 GCCCATGATG ATCACTTGAG TTGAAAGACT CTGAAAATGG AAGTCATTAG TATCTGAAAG
40741 GCTCATAGTA AAATATAAAA TGCATGATAT ATTTTGACAA AGATATTCAA TGATAAAATA
40801 TAGATCCAAC TTGCAGGCCA TTTATCAACT TTTGTCCTTT TGGAGGAAAT AAACTTGTCT
40861 ACTGTAGACA AGCTGGTATA CAGAAGGAGA GAAAAGTTTC TTCAATGCTA GTAAACATGC
40921 CTGGGTATTC TACTGTCAGA GATTAATTCC TTTGGCTTAG CCTAGGCCTT CTTTTAAAAG
40981 GTGATCTACT TGAAGAAAGC TGACCTGGTA AGTCAGAATA TCAGGTGTTA CCATGTTTCA
41041 TGTGATTAAA CTATTTAGAT TTCCCTCCTA ACTCAAATCA CATAAAGAAC ATGAGGCCAA
41101 GCACAGTGGT TCATGCCTGT AATTCTAGCA CTTTGGGAGG CCAAGGCAGG TTATTCACCT
41161 GAGGTCAGGA GTTCGAGACC AGACTGACGA ACATGGTGAA ACTCGTCTCT ACTAAAAATA
41221 CAAAGATTAG CTGGGTATGG TGGCACACTC CTGCAGTCCC ACCTACTCAG GAGGCTGAGG
41281 CAGGAGGATC ACTTGAACCT GGGAGGCAGA GGTTGCAGTG AGCCAAGATC GTGCCATTGC
41341 ACTCCAGCCT GGGCGACAGA GTGAGACTCC GTCAAAAAAA AAAAAAAAAA AAAAACAACC
41401 AGAAAAGAAA ACGAGAGAAA TGGACCATTT ACAGGATGAG GATGAGAACA TAGGAAGGAA
41461 GAGTAATCTG GAAAGCGTTG CCCTGACAAG ATGTGCATGC CTGCCTTCAG TTCACTGAGA
41521 AGTTGGCCTG GGGGATGTTG GACAGGAAGA TAGGGAGAAT GGCAGTAGGT GAAGGACACA
41581 GGAAGAGAAC AAGCTGGATC TGCAGTGCTA CTGAGCACCA AACACGAAAC ACGAGGACAC
41641 ATAGCTTCTC GCAGGTGGAA TGCACATGGC CGCAGAGATA GGGTGTAGAG CCAGCATTTG
41701 TATTTCAAAA AGATTTTTTA ATTAAATCAG ACCTATTGTT GACTAAACTA ACATTTACAC

41761 TACCACGCTG GTAAAATTAA AAGACTTATC CATTCCCAGT GTTGGAGAAG GTACACGGAA
41821 ATCCATATGC TTACATCCTT TTCAGGAGGA GAATAGTTTA GTAGTGCTTA TTCAAATTTA
41881 AAATACACAT ATTTCTAATC TAGAAATTTC ACTTCTGGCA ATCTGCCTTG CAGAAATATT
41941 AGCACAAATG CATGAGATAT TTTTACAAAG ATATTCAATG TAGCATTAAG TGGAAAAACT
42001 GAAGACAATC CATCAACAGG GACATGATAA GATCCATCGT GGGAGATAAT ATGAAATTCG
42061 AGACTAAATT AAAAGATGTA CAGTATATCT ATGTGTTCTA TCTTGTTTAG AAGGAATTGT
42121 AAAAGTGGTT GGGTATAAAA AAGTGTTGCA AAATAATATT TATAGTATGA TCAGATAGTT
42181 GTACTGAAAG ATGGATGAGT GGATGGAAGG ATGGACAGAT GGATGAAAGG AGGGAAAGAG
42241 AAAGGAAGAC AGGGAGAGAT TGGGAGAGAG GATGGAGTGG GAGATAATAT GAATGAATGA
42301 TAGAGACGTG TGTGCATCTA ATACATTGTC AATACAGATG ATCTGTTGCA TTGGGAGTGA
42361 GGGGAGGACG AAAATGTACT TTCATTTTTA ATTTTCACAC ACTGTTGGAT TGTTTGAAAT
42421 TTTTGATGAC GAGCATATAC TACTTTTGTA ATTAAAAACC ACTGAATTCT CTTCTTATTA
42481 AAAATTGAGG GAATAGTGTA TGCCTTCCTT TCAAGCTGAG TAAACGCTGA ACTTCAAAGA
42541 TGGAGGCTAG TATCTAATCT ACTCTTCTCC TGGCTCTAGG GGTAAACTTT GGCTTATTAT
42601 TTCCTCTCTG TATTGCAATG TTTCTCTCAA ATGGGATCGA TGACAAGTAC CCTAAAGACA
42661 AATCCTGGGA CTATGTACAA GAAACAACAT CAGTTATAAA GAAAGTCCTC CTCCAAGATT
42721 AAACAACCCC ATCCAAATCT TTAGAACAAT AGTTACCAAA TTTTAGCTGC ACAGAATTAC
42781 TGGGAGGGCT TGTTAAAATA CAGATAGCTG GGGTTCACCC TCTATGTTTC TCATTTAGTG
42841 GGGCCTGAGA ATCTGCATTT ATAACAGGTT CCCAGGTGAT ACTGATGCTG GCTGCTCAAG
42901 GGGCCGCACT TTGAGAAACA CTGCTCTAGG TGAAAGAAAC TATTTGTCAA AGACAAATAA
42961 TAATGTTTGC CCCAGTCAAC CATATTTGAT GAGAACCAGA ACAAACCCTG CTACTCCCCA
43021 AGCCCCTCTT TCCACCAGCT GAATGAGCTC CTAATCCACT GTATGCAATC CACCACAGGA
43081 GGAATGTGCT CTATGACACT GCAGACCAAG GATACAAAAA ATTGGCACAG ATCTCAGGTC
43141 CCACACCCTT AAGAGAAGAA AACTCACCTT CTGAGAAGAT GATGTTGTCA TTGCACTCAT
43201 CAGAGCTACA GGAACACATG AAGAAAGTCT CACCAGGCTT TTTTTTTTCC TTCATAATGC
43261 ACTTTGGAGA AGCAGCATCT TCCAGAATAA AGTCATGGTA GGGGAGCTTG GGGTCATGGC
43321 AAACTGTCTC TAGTGTTATG TTCTCGTCAT TCTTTCTCCT AGAGTGAAGA GATTCATTGG
43381 AAGCGAGGGG AGAGGGAGAG AGAGAAAGAG AATAAATGAA TAATATGGCC TCCAGACAGA
43441 AAGGCAATCT GGAATACTTT TCCTTCATGA AGTTGTTCCT AACAACGGCA GCTGGTTCCT
43501 GTTCTCCAGC ATTCGCAGGC TGTCCTATAG TCTCCTATGC TTTTCTACTC TTTTCTGTTT
43561 TTCCTTTGTT TATTCTTGGA ACCCATTTGT GATTATAAAC ATCACCTGGA GCAGACAGCG
43621 TTCCACGGGG CAGTCCTGGT GGAGAATTTT ACATATTTAA GTCTTAATTA AATCATTAAA
43681 GGGGAAGACA TGGAAAAAAA GAACATTCCT AGGTACTCAG GATAATTTTA AATCTTCCAT
43741 CCTGAATGTA ATGCAAACCT CACATCACAC CCCTAGTTTA ACTGGCAAAA TCTGTCCTGT
43801 CTAGCTATAC TGTTTTCAAA GAGCATGCCT GGGGAAATAG TCACAGTTCC TCTTTTTTTT
43861 GTTTGCTGGG CCCCAGAGCA TTGCGTGTAA AGGGTATACT CCTTGTCAAC AGCTGGTTCT
43921 GCTGAGAAAA ACGGGAAGAA ACATCGCAGA TAAAGAACTG CAGTCTTTCC CAAATTACAG
43981 AAAGGAGCAA TTCAGAAAAA ACAAACAAAC AAAAAAAACA AATAAATAAA AGAAATGGAA
44041 AAGGATGTCA GGGTGTTCTT CATTTACAGT TCAATGAAAT ATTTTATGCT GTCATAAACT
44101 AACTACTTTG ACAGTATCAC TTCATAGCAC ATATTTGAAG ACTAATTTAG CCCAGGGCTC
44161 AGAGAATTTC TCACATAGCA TTTTCCTTGG GCCCTAGGAA ATGCTCAATT GGCCGTCAGT
44221 GTACATTAGA TTTTTAAACA ACATGATTAA TGCCCACTAT TATAATTGAA CAAAAGAACA
44281 TTTTGGCTCT CTTGGAAAAG GGTATCACCT CTCTATCTAC CTCCCTCTGC TCCCTCATGA
44341 ACATACTATC TTGGATGACT GTCCAACAAG GCTAGTCTGA CATCCACCCT TTCACCTCTG

44401 TCCTTTTTAG ATGCAAAATA CCTGTTGTCT TGAATCGCAT TCTCTCTGTC TAGAGAGGGA
44461 GCGGAAGGAA GGGCTAATCT GGTCCAGTCA GTTTTGCTAG AGTAATCTTC TATGAAGATT
44521 CTGAGTGCAC ACATGAGCCA ATGCATGCAT GTACTCACTC ACCAATTTTC CCCTAATCCT
44581 CCCTGCCCCA TGCACAAAGG CTCACTGCTC ACAGCAAGGA AAACGGAAGG CAGGCTAGAA
44641 GCAAGAAGCA GCTAAGACAC AGCTTGCACC TATAAAAGAT GCGGGGCCAT CCCCACGAGA
44701 GAAAGAGCAA CTTTGACCAA TACCACTTTT TTAGTGCTTA AGTCAAGGAC ATTAAAGGAC
44761 AATATGTTGA CAAAGGGATA AGGGCAAGGG TATGGGTTAG GACAATCCAG GCAGGAATGG
44821 TGCCAGTGTC AACATCCATG CAGCCCAGAG TTGACTCCAG TGGAGGTACA TGTGTCTGCT
44881 TGTGAAGGGG CTCAAGGGTT CTTAAACTAG AATTCCGAAA GACACAAGAG GAGCAAGGCT
44941 TTGCTAAGTT GGTCCCTGCT GTGACAGGAA GAGTGACAAG CAGAATAATT GGTTGAGGGT
45001 GGCTATCAGG ACACCAAATG AAACTAAATG AAAGTTGGCA TGATCATACA ACAAATGATG
45061 TATAATTTGG AAATCTACCC ATCTTTAACC CCAAAGCTAC TTGGCAGTCT TCAAATCAGC
45121 TGTAGTCATG GAACAAGAAC ACCTTCCTCC CTGCCCCCAC AGTTTTGTGT GTGTGTGTGT
45181 GTGTGTGTGT GTGTGTGTGT GTGTGTGTAG GTTGTTTTTG GTTTGGGTAA TAAAACGAAG
45241 GTATGCTGTG CCCACAGAAA GGCATGGTCT CTTTTCCTTG TGACGCTTAT AGAGGCCTAA
45301 GAAGGAACTG TGAGCCATGA AAGAAAGCTG CTCTATAATT ATTGGGCAGC TCTTCCAGAG
45361 CCTCCGGTTT TCTACCTCTT AGCTACTGAG AGAACTAACA TCACAGAGAG AAAACAACTG
45421 TAATACTTGA GACCTGGTAA AGCCCTTAAC TGCTTTCTCC ACTCACTCCT GTAACAGCCA
45481 GGCACAGCTA ACTTTTCAAA CTCTTTTTGG ATATAGCTGA GCATAGGAAA GGTAAATACA
45541 AAGAAGTAAA TACGGACTTC TTTTTTTGTC CTGCAACATT TGCTCTGAGC CACTGAAGAG
45601 GTTGTCAATT TCCACTGAAA GAAGAACCAA CATGATAAAA TTAATTTTGG AGGCTGGGCA
45661 CGGTGGCTCA TGCCTGTAAT CTAAGCACTT TCAGAGGCCG AGGCAGGCGG ATCACAAGGT
45721 CAGGAGTTCG AGACCAGCCT GGCCAACACA GTGAAACCCC ATCTCTACTA AAAATACAAA
45781 AAATTAGCCA CGTGATGGTG GTGTGCACCT GTAATCACAG CTACTCAGGA AGCTGAAGCA
45841 GGAGAATCGC ACGAACCCGG GAGGCAGAGG TTGCAGTGAG CCCAGATCAC GCCATTGCAC
45901 TCCAGCCTGG GCAACAGTGG GAGACTCCCT CTCAATTTAA AAATAATAAT AATAATAATT
45961 TTGGTTATAA AATATTTCTA TCCTTGGAGG CAGCTTAAGC ATTTTATATG GAATGGGCAC
46021 ACAACTGACA TTAGTTAAAT GAATGAATGA ATGAATGAAT GAATGAAAAA ACACTAAAAC
46081 TGATTAAAAA AACAACAACA CTGAAATCTA CAATCATAGT AGAGCCTTTC AGTTTCCACA
46141 CTGGCTATTT TTACAATAGC CTCCTGTCTT AGTTTAGGTT TCCTGGAAAC AGACCTTGAG
46201 GCTGTGAGAG TTCTGTGCAG GAGGTTTTTG GAGATGCATC TGTAAGCGAC TAAAGGCAAC
46261 AGTATTGCAC AGAAGGAAAA AGCTAAACTA TAATGCAGGT TGCAGCAAAG GCCTCAGTGA
46321 ATGCCTTGGA AACTCTGAAA ATGGGATGTC CTTCAAAGAT GTACCACATT ATGGCAAAAT
46381 AACCAGGAAT TTGTTTCTCT GCATCAACTA GCCATGGGAT GATGGCTACC CATGAAAAGT
46441 GTCCAACGTG AATGAGGCAG CTCCCATCAC TGGAGGGAAG GCTCAGCAGT GATCCTTCAA
46501 CAGCCAACAC TCCCAGGGAA TGAGTGCCTT GGTCATGAAG GAGGATCAAG GAGGGCACTA
46561 TAGCGTACCC TATACTTCCC CTTCTCATTA TCAACACCCC TGGCTTCACG GGAGAATTTT
46621 CTTTGGCCAG CACAGGTCAA AATAATGTTC ATTGTATTTA CCCTTTATAG CTGGGACACA
46681 GAAAAGACAG GGAGGCCTCC TCTCTTCGAC ATGCTCACAT TTTTTTGAGG CTAGCAAAGC
46741 CTCTATTCTA GAGAGACTTG ATTCACATTT AATGATTTGG GCTTGTATTA CTGGTCAGGA
46801 AAACAAAAAT CTTAATTAAA AGAGCCTTTT TGGGTTGCAA AAGCAAGTGC TCACACCACC
46861 GTAGATATTT AAGAAACCAC GGAAGGAAGC TTTGAGGCCA TCTAGTCTGG TGTCTCAATC
46921 TTTCCTGCAT TCTATTTGAC ATATGGTCAT CCAGCCTCTC CTGAACTTCA CTTGGTGCTT
46981 ACAGAAAAGG AAGCCTGTTC TGCTGTTGGG AAACCATGAT TGTGAAAATG TCTAAACTTA

47041 TGCTGAGCAC AAGTCTGCCT GCCTTGCAAA TGTTATGGAT CCTCCCTCTA CCCTTCAGAG
47101 TTATGCAGAA TATGTTTATT ATATTTTCTA CCTGAGAGCC TTTCAATTTC ATCAGCAGAA
47161 CCCACGATCT CTCTTCACTG TACTAACCAT GTCTAATTGC CCAGGCCATT CCTCAGACAG
47221 CATGATTTCT AGGCCTCTAA CCACACTGGT CCCTCTCCTC TGAACACATT CTTTGTCCAA
47281 ATCCTTTCTT TGAAAGCGTT ACCTAGAAGT GGACATGGAC AGGTATCATA TCATATTGGC
47341 AAGTATGTCA TGACAAGTCT TTGCTGTTAA CATTCCTTCA GTTCTTAAGA AACCAGTTCA
47401 TCCCGTGGTA TGTACAGAAG TTTGCAAGGT TTCCAGATCT ATCATCAAGG CTAGCTTTAC
47461 ATGGTCTAGG GGTCTCAAAT GACTCATTCC CAAAAAAGGG GGAGAGATAT TTGGGTTTAT
47521 ATTCTTGTTT GTCAACTAGC CAGGAGACAC ATAAGTTACT TTTTTTAAAA TGGCCAATAA
47581 ATTAAAAACA TCAGAATAAG TCTGCAAAAT GTCATATCTC ATTAATGAAT TTATGTACTT
47641 TTGTAAAATT ACAACTCTTC TAAAGATCAA GGTTATTTCT TGTTCATGCT CACAATCTAT
47701 AACCATGAAT TAATCAAATG ATTCATGAGT ATCCACTGTG TATGTATAAT TATTATTTGA
47761 GATGTATGTA TGAGTTGGAG GGAATGAGAG AGAGAGAGAG AGAGAGAGGA GAAAATGTGA
47821 TCCGATAAAA ATATATAGTT CTGGTCGGGC ATGGTGGCTC ATGCCTGTAA TTCCAGCACT
47881 TTGGGAGGCA GAGGCGAGTG GATCACCTGA GGTCGGGAGT TCGAGACCAG CCTGGCCAAC
47941 ATGGTGAAAC CCCGTCTCTA CTAAAAATAC AAAACTTAGC CAGGTGTGGT AGTGGGCACC
48001 TGTAATCCCA GCTACTCGAA AGGCTGAGAC AAGAGAAACG CTTGAACCTG GGAGGTGGAG
48061 GTTGCGGTGA GCCAAGATTG TGCCATGGCA CTCTAGCCTG AATGACAGAG CAAGACTCCA
48121 TCTCAAAAAA AAAAAAGAAA TATGTAGTTC TGAGCTGAGA GAAAGAAGTC ATATCTATCC
48181 CAATGGTTAT ATGAATAATA TAACCAGAAT TTCTGACTAA AAAAACAGGT TGTTTTTGTG
48241 GTTCTCCAAG TAGATTCCCC ATTTTTGGCT GGTAGTTTTC TCTTCCAACA GCCAACCTTT
48301 CATCACCTCT TCTTCCAGAC CTGAGATTGC CTCAAGAGAA CAAAGCTCCT GGTCTCACTA
48361 TGGGGTGCTG AGGAGGTGTC GGTTAAATGA CTACTAAGCG GCAAATCCCT CTTCTTGATA
48421 CAAGAAAGAG TTTCCAGATT TATTATATTA AAGATCATTT TATGATCTTT ACATTTATCA
48481 TGATCATTTT ATAATCATGA TACGTTTATA TACCCACATA AACGTACACA TACATGCAGA
48541 GAACACCCCT AGAAACTACA TTTAATAATC GAAAGAGAGA TGGTCTAAAG GAAAGGGAAA
48601 TGGAACAGGT GTTTACATTT AGGAGACAGA GATACACTGA CTGTGTGTAC TATGAGAATA
48661 CATTATGTAA AAAGGGGAAA AGAAAGAATA ACTTCTTAAA AGGCTTGCTT ACCATACAGC
48721 CACACAGACT TCCTGTGGCT TCTCACAGAT GGAGGTGATG CTGCAGTTGC TCATGCAGGA
48781 TTTCTGGTTG TCACAGGTGG AAAATCTCAC ATCACAAAAT TTACACAGTT GTGGAAACTT
48841 GACTGCACCG TTGTTGTCAG TGACTATCAT GTCGTTATTA ACTGAGGAGA GAGAAAGATA
48901 TATTAAATGA TTATCCAACT GCCAGGCAGC CTGCCAATGA ATTCCTGAAG ATGTTATGCA
48961 ATTTCAAATG AACTTGATGT CATGAGAATG AATCTGAAGA AAGGCAAAAT AATTCCTTCA
49021 CATCAGATTA GAATTATCTG GTGTATGCAA TTTGTAATAA AATCCATTGT ACCGTGGTGA
49081 GGGGTGGTGA GGGGTTGGGG TGGTTGAGTA GCCATTTGCT TTTGTCAATG GTTGTCATAA
49141 GGTCCACTTT CTACAAAAAT CTTATCATTC AATAAAGAAA CCTAGATGGG CCCACTGCAT
49201 AGTACGGAGT GCTGGGCCCA CAAATAAAAG TACCCTTAAG GAAATTATAG TTTAGCTGGT
49261 GAATAAGACA GGAAACAGAC CAAGTCAGGG TGACCCAAAA TAGAGGGCAG CACAGAGGAT
49321 GTGGGAGCCA GGCGAGCATC ACCGCTCAGC TGGGCAGGGA GGCTATAACC TCACAGAGTC
49381 ATGAAGTGCC ACACCAAAGG AGGAACCGTT GCTGGAGGCA CAAGATTTTG CCGCCATTTT
49441 CCTGACCTAC TCCTGAAAGA GCTATAAGGG TCTTCTTTTC AAGGGACTAG TTCTACTGAT
49501 CTCTCTCTGT GTTTGAGGCA AATCAATTGA TTAACTAACA CTTACTGAGT GCCTCCTAGA
49561 CACAATCCCA AGCATTGGTG AGGCATTGGA GTTATGATCG CAGCAAATAA AAGCTGAATC
49621 CACCTCAGGA TCTGCCTTCT GTACCTCTCC CTTATCACCA CCATCACCAA TCTCCTGCCC

```
49681 CCTTCTGGGA AGAAGCCAAG TTCATTCCCT CCTCAGGCCT TTCACTTGCT ATTACCTTTG
49741 TTTAGCTTCC TGTCACTTTT CTGATCTCTG ATCAAATGCC ACCTCTTCAT CCTATAGCAA
49801 CTCTGTTTTA TTTATTGTCT GCACAAACTA TCTGCATCGC ATACTTGCTA ATAATCTATC
49861 CACAAAAATG TAAGCTCCAT GAAACTTTCT CCACCTCACT TACCTACTAT ATCTCCAGTG
49921 CCAGGAAGAG AACCTTTCAC ATAGCAGGCA TACAAAAATG TTTATTGGAT AAATGAGTGA
49981 ACACAGGATG AATACAAGGA GTCCATGTTT GGCCCTTGAT GCCATGTAGG ATAGGATACA
50041 GAACTTCTTC ACTCAGATTA GAGAGGAATG TGATTATAAA TGTGATATTC ATTCACATTT
50101 ATTCAATAAA ATATGGAAGA CAGACTATTC TTTGCAAAAT ACAGGCTGCA AACTAGGGGC
50161 AGTTCAAATA AAGGTGTAAC ACCCCATTCC CCATTTTCTT CCTCAATGAG ATGGTGATGA
50221 TGTTTAAGAC ATGAGTTTGG ACAGTCAGTG AAGTATGACA AGGCTACTAG GCACTCAACC
50281 AGCAAACATG AATTAATACT TACATGCTAG ACTAAGAAAC ATTAAGCACT TAGACCGCAT
50341 GGGGTGCTGG AACAGTTGCT GGGCCACAGA AAGTTGTGAG GTACTTTTCC AAGGCATAAC
50401 CCTTAGAGAG GCCTAAGAAA AGCCTCATGT TCCCTCTGCT CTTGCCTAGA GAGGAACACT
50461 TTCAATGCCT TTCCACAGTC ACTCTCTGTC CTGTGAATTT TAGGATTCTG TCATAGATAC
50521 TTTGCCCTGC AACTGTCTTT GTAGCTTGGG CATAGCACCT GTTTCCTGGG TCTCTAAAAA
50581 TATAAACGTA TATAAATTTA AGATTTGCTT TCTTGTGGTA ACAGTAAATA TAGAAGAAAA
50641 AAATAAAGCC ATTCATCCCT CTCGGGCCTC AAGTTCATTT CAGGAAGTTT ATTTTTAGGT
50701 AACAAGCTAT TTTGAAATTC TCAGTGTCTC CCAGACCAAG AGCTCTATGC TTAGCTAAAA
50761 ATATAGGCAG AAATACTCTC TGAACTGTGT GAAATTTGGG AGAAACACAA CAATTAATAT
50821 GTATTTTTTT CTAACATGGT TATACTTGGA TCAATTTTTG AAACAACTAA TAACACTTTA
50881 GGTTTCTTTA ACATTGTTTA AAGCAAAAAA AAAGTGAAAC CACGTTTTGT TTATTTCATA
50941 CATACGTATT TTTTGTATAG AGTATGTTTT GGACAAGCAT CTATTTGCTG ATTAGGAAGG
51001 TTTGTTGTTT GTAAATATAA AACCAAATTT CCATTACTTG AAATTCAGTC TTCCAACATC
51061 TTAGGATTTT AGCTTAGATT GGTGGTTATC AACTTGGAGA GCATGTTGAA ATCCATCACC
51121 TGAGGAAATT TAAAAAATAC TGAAGGGGTC CCACTCCCAG ATAGTCTGAT TTAATTTTTC
51181 TGGAAGGTAA CTGAGGCATC AGGATTTTTA GAAGCTGCCC AGATGATTCT AATGTGGAAC
51241 CAAGGTTGAG AACCCAGACC TATAGTTAGT TGGAAAAAAC ACAATAAACA GAAAACAAAA
51301 CAGCAACCCC CCCACTCCCA CCCCACCACC ACAAACACAT ATACAACTTA TGCTGCTGAG
51361 GGGACAGCAC CTGGATATAG CTGGAATTAG TTCCCTTGTG AAAAACATGC ACCTAAGGAG
51421 AGGTGATTAG CTCTTTCACA CCTCAGATAG AAATTCTTCT CCGTGCTGGC CAGTCCTTTT
51481 CTAGCAAAAC CTTAGAAACG TGAGAATAGT GACAGGAGTG AGCAGCGATA GATAAGACAG
51541 AAATGAAAAC AGATGAGATG GGTGCTGGGA GCAGTGGTGG CCACAGATGT ATTGACAAAT
51601 GCAAGTGGTT TAAGTCCGAT GCTTGCAGAA CACAATCAAC AGGGAAAAGA AAAAAGGACC
51661 ATTAGAAGAA AGAAAGGGAG AGAAAGGGAA GAAGGATGTA GGGAGAGAGA GAGGAAGGAA
51721 GGGAGGAAGG GAAACAAGGA GGGAGGGGGA GGAGAGAGAA AGAGAGAGAA GGTCCACCAA
51781 TTTGCACAGC TCCAGGAGCA CCACTGTAAC GGGGCCCCTG GCGAGATATA ATACATGTTA
51841 CTTGATGGGT AGACCCAACA AGAGAAAGCC TTTCCATTGA ATGTTGAAGA AAAGCCAAAC
51901 AAGCAACTGT ACTGCATATA GACACAGGCA TATGGTGGGA AGGGCAGTGT ACAATAAGAA
51961 TTTGCACATG CTGAGCACCC ACTGTATATG AGGAAAGTTG CCTAAGATAC AGCATATTAC
52021 TTCACAAGAA CCCAGCCAGG GATGCCACAT TTTTCTCCTT GTTACAGCAG AAGCTACCAC
52081 TGCAAGAGCT TAACCAGAAT TTTTTTTCAA AAGCCTGTAT GCAGGACATG TTCAGCACCA
52141 GCCATCGACT CCCTATTAGT TGACCCTAGG AGACTCCCCA CCTTAACAAT TCCAGGTAGC
52201 CCTTGAGGTC ATATACATTC CAACCTTTGT TTTAAACCAG TATTCTTTTC CTCTATATGA
52261 TATAGGTCCT CAGGTCCTTT TATGCATACC ATATGTACTG GTGGAATAGG TAGTTAAGTT
```

52321 CAGAGGGCAA AGCTACTCTA AACCTTTGCT GGAGTCACCT AAGTTTGATA AAAGCCTTAT
52381 GAACACACTT TGGAGTTGGG GAAAAGAAAC AAATACAAAA TTTGTAGATC ATCTGAGAAG
52441 GTTTGCAGAT TCTCTGAGGC CCGTAAGATC CAGTTAAGGC ATCCCAAGCC AACCCCGGAA
52501 TCCTCAAGAG TCACTAATAA CATGCTAAGT GGTATACTGC TGGTCAGAGT GGGATGAGGG
52561 CCAGTGGGAG GGAAGGGTAA CAGTCATTTG CTGTATGGGA CATTGCATCT GTGCACTCCA
52621 AACCACAGGA AAAGATGTTA CCAGCCACGA CCTCAGATAT CAAACAACAT CTCCTTACGT
52681 TTAATACATA ATGTTTAAAA AGCCAAAGGA ATGGGAAGGA AAGTAAGTGC ATACATGTGC
52741 ATAGCTAGGA ATAAAGATAT TCCTCTAAAC AACGATACAA AACCCACCTA ATTAACCCTA
52801 TAGCAAACCC TAACCCAACT TCAACATTAC TTTTAATCCA GATTGTTATA TTAGTCTAAG
52861 TCTCTCTAGT TAAGATATTC TTATATTAAG GCAGTATATA GTCAGCCTTC TGTATCTGTG
52921 GGTTCCACAT CTGCGGTTTC CATCAACCGT GGATGCAAAA TATTTTTTTA AAAAAATTGA
52981 TGATTGTGGC TGTACTGAAT TATGTACAGA CTTTTTTCTT GTCATTATTC CCTAAGCAAC
53041 ACAGTATAAC AACTATTTAC ATAGAATTTA CATTGTATTA TGTATAAGTA ATCTAGAGAT
53101 GATTTAAAGG ATATGGGAGG ATGTGTGTAG GTTATATGTA AATATTACAC AATTTTATAT
53161 AAGGGAGTTA AACATCTGTA GATTTTGGTC TCCTCGAGGA GTCTTGGAAC CAATCCCCCA
53221 TGGGTACCAA GAGATGACTG TACTTCGATT CCTATAGACT CTCTGTGAGC AGCTAACCAT
53281 CTTTAGAGAA TTTTCTACCC CTAATAGGCA AATTCGTTAT TCATAAAGTT CTCCAGAAAG
53341 AAGTTCCAAT AAGAATATCT GTCACCTAGA AAGCCATCCA CTAAAGGAAG TGAACATGGG
53401 TAGCATCTCT CAGCATATGA TAGTATCACA TGGCCCATAA TATTTCACTT CTCTTCAAAT
53461 AAGCCCATGA GTAATATCAA AACCTTCACT CTAGGTCATA CCACCTTCCC CATTTTATCT
53521 CACATTTTCC CCACACTCAC TGCCTACAGA CAGAGGTTCC AGGTCTTGAG AATATGAATT
53581 GACTGCTTAG CTGTGTCTAT TTCTGGAACT GTACTATTGT CTTTGAGGGT CAGATGAGCA
53641 GCCTAATAAG ATTTAGACTT ATTTCAGATA AATATTAGAA ATTCTGAATA TGACCTTAGT
53701 CCAAATCTTT GAAATAGTGT CTATTATTAG CTGAACCATT AGGTAAAATC TCAAGGTTTA
53761 ACAATAACCA TAAACACTTG TCAGAAATGC ATTCATGTAT CACTGAATTC ATGCATTCGT
53821 GTATCATTGA ATTCATGTAT CTACCGACTG TTGTTTTCTG GAGTGTTTTT TGTGGGGGGA
53881 AACTCAGAAA TTTATTTGTT CTACAAATAC CTGTGGATGT CTTGATTAGT GTTATATATT
53941 CATAGTAAGA CCACTGAAAT TGACACAATT AAATAACATC TCAAAGAATA ATCCATGGAA
54001 ACTGGTGGAT AGAATTTACT GTTTTAGAGT ACTGCTTCTC AAATATTAAT ACACAAGTAC
54061 TTTGGGAATA TTTTTAACCT GCAGGTGTAG CATAGTGGTA TTGTGGGGGC TGGCAAGTCT
54121 GAAATTTATA GGGCAGACTG GCAGCCTGGG AACTCAGGCA GAAATCAATG CTGCAGTTTT
54181 GAGGCAGTAT TTTTTCTCTC AGAAACCTCA GCTTTTGCTC TTAAGGCTGT TCAGTTGATT
54241 GGATGAGGCC CACTCACATT ATAGAGAATG ATTTCTTTTA CTTAAAGTCA AATGATTTTA
54301 GCTGTTAATC ACATCTACAA CATACCTTCA CAGCAACAAT GAGATTAGTG GGCACCAGAA
54361 CCTAGCCAAG TACACACGAA ACTGACCTTA CAGATAGGAA GGGAGCTGCT GCCCTGGGTG
54421 ATGCCAGCCC ACTATATGTT GAGTGGGAAG GCTGTGGAGA ACCCAGTTTT TAATAATTGT
54481 TTCCCTTTCT CCAGTCATTT TGGAGTTAGT GAAATTAAAT ACCTATTCTT CACCTTTTTA
54541 CAGGCATTTC TCATCTTCCA GTTCTTTCCA TATGCTTTTC TCTTGAGCCT GACCTCTTAA
54601 ATGATTGCAA ACCCAGAGGC CCTGATCACC ATATGGGCCC AGAATTGAAA GACATGTTCT
54661 CTGAAAGGAG GTTTTTAATT GCCTGCAGCA TTTCCGAGTC AGATACTGAG GCAGCCATCT
54721 GGCAGAAAGC CGCTGTGGCC TGTGATGCTA GCAACAGCAG CTCCGACCCT TGAGACAAGG
54781 TGGGACAAGG CTATTGGCTA GTCACACACT TCCTCCCACC CAGAACAAAG AAGAAAGTCA
54841 AGCAATCTGA GAGGATTCCC TGTATAATTC TTCAGGAAAG ACATCCCCAA GCCAATCAGA
54901 TACCTTGGCC AATTACTACA ACCAACCAAC CAACCAAACA AACACCTTGT GATTAAACCA

54961 AAGATAGGAA CATTTTAGGA ATAGTTCTTT TTGCTGAACA TCTATTGCAC ACTCTAATTG
55021 GAACTTCTAA TACAATACCT TCTTTTTAGT TTTTAAAAAT GTGTTTGAAC CCTAATGCTT
55081 TATCTAATTA TACCTTGAGA GAAGAGAGGT ATCGGGCTTT CCTTCAACTG ACAGTCCACA
55141 TGGTCTCTGG GGTACCAAGG TCAATACTAG AGATACCATC ATTTAGCTAA CAGGGAGACT
55201 ATGGCGTGTG CAGGAAGAAA ACAGAGACAA GTGACCTGAA GGCATCAATT CTCCTTCTTA
55261 TGCAAATATT TTTGTAGTAA TAATACTTTA AAACCTTTCA GAGATGACAA AGTGAATACT
55321 CTAAAATCTC TGTGAAATGA CAATGCCTTA TAATTCTTGC TTTTAAATAG TAAGTATTCT
55381 ACAAGTGCCA GAAGAATTAA TGCCATTTAA AATCATTATC AATGCTTATT GGAAACAAAT
55441 AACAAATCAT ATGAGTTCTC TATATTGTGT TAAAAAAACG CTACTTTAAA TATTACTTCC
55501 TGATCATATC ACCAGAGAAT AAGCTCTAAA AGCGAAGCAT GTCAACCTCA TTGCTAACAA
55561 GTGAAATGCA GATTAAAAAT GCATACCATA TTTCACCTAA CTCATTTTGA AAAAGATCAA
55621 TAAGTCAGAT AACACAGTGA GCTGGGTAAA GTATGGGGAA ACAAACATTC TCATAATGCT
55681 GTGTTGTAAA CAGGTATAAC ATCTCAGGAG TACATGTTAT TGATATCAAT CAACACTGCA
55741 AACGCAAATA GCCTTTTGCC TCGCACTTTC GCTTCTAAAA ATTTATGATA TTCATTGATA
55801 AATTCGCTGC AGTGTTGTTT GTAAGGACAA ACAGGTTTTT TTTTTAACCA CTCATCAAGA
55861 GAAGACTAGT AAAATAAATT AGACAAATCC AAACAAGGAA CACAACGCAA CGACTAAAAA
55921 GCAGAGGGCA GCTCCATGTG GCTATCTTTA TAAGTGTTGA AGCCCAGGCT ATAGCATTCA
55981 AGAAAATAAG CAAGGTAGAG ACCAATGTAT AGAGTTACTT GGGCTGGGTG TCTTCTATTG
56041 CCCTTAGAGA TCAGTTCTCC ACCCTTGGTC ACCAGACTGT CTGCCCCAGG AGGCTCATCT
56101 TTATGGACTA CATCAACCGG CTCTCTTGCC CTCAAGCTTC CAGTAAGTTT GGCCAATGGG
56161 GTGACCCAGC GGTATCTAAG GGAAGCAATG AGGAGCACAT TTAAGGTATC TGTGTTCTGG
56221 CTCCCTCTGT GGAATCTTTT CCAGCTGGCC AAGTCCCTCA CTTGGAGGTC ACAGGTTCTC
56281 TTCAGGAGGT CATTTCCAAG ATTTACTTCT TCCCTCTCCT TGCCACTTTG GGCCTAGCAA
56341 GTCAACATAG CAATTACTAG TCCTAAGTAT CTGCACTATG GTTTCTCCCA TTTTGTGGTG
56401 GTTTCCCTTG ACTCTATCCA TACCTTTGTA AGTACTTGTT TTACTAAACT CTCCTTAAAT
56461 CTCCCTAATT TGAGGGTGCC ATCTGCTTGC AACTGGAACC CTGGTTGACA CACCACCATT
56521 TCTGTTTTGT TGTTATTGCT TTTATTGCTT TTTTTTTTTT TTTTCAGACA GAGTCTTGCT
56581 CTGTCACCCA GGCTGGAGTG CAGTGGCGCG ATCTCGGCTC ACTATAAGCT CTGCCTCCCA
56641 GGTTCACGCC ATTCTCCTGC CTCAGCCTCC CGAGCAGCTG GGACTACAGG TGCCCAACAC
56701 CACGCTTGGC TAATTTTTTG TATTTTTAGT AGAGACGGGG TTTCACCGTG TTAGCCAGGA
56761 TGGTCTCGAT CTCCTGACCT CGTGATCTGC CCACCTTGGC CTCCCAAAGT GCTGGGATTA
56821 CAGGCTTGAG CCACCACGCC TGGCCTGTTA CTGCTTTTTA AAGGGAATAC ACACACACAC
56881 ACACACACAC ACACGTGCAC ACACATGCAT GCTTATATAT TTAGACGGTC TCTGGGAGTA
56941 GATGCAAGGA CATGAGAATC AAACATTATT TGGCCCTGTA AAAGGAAAAT AAATAGGTAG
57001 AAAACTGAGG TTGAGAAGCA ACTTTTTATT TCATACCCTT CTGTTACTTT TGAATTTTCT
57061 ATTATTTTTC TGTACTTAAA AAATGTTTTC ATTATAAATG AGCAAATGCA AGGCAGATTC
57121 TGTCATGGCA GATGCATGCA GCTTTCATTC AAGTGACAGC CCCACATAGC CTCTGGGCAC
57181 CAGGATCAGA AGTGGAGAAA CAATACCTAA TAGGGAGACC ACCATGTGGG CAGAAAATAA
57241 AGAGATAAGC TCAAAAGCAT CAATTTTCCT TTTCATGCAC ATGTTTTTGT AATACTAATA
57301 TAGTTTTTAA AACCTGTCAA GAATGACATA ATCAATACTC TAAAATCTCT TAGAGCAGGA
57361 AATAATTCTA GTAAAATACC TAGTACGGGC CGGGTGCGGT GGCTCACGCC TGTAATCCCA
57421 GTACTATACA CACACACACA CACACACACA CACACACACA CACACACACA CATACATATA
57481 TATTTTCACA CTGAAACTAC CTACCATCTG GCCAACAATT AAGGATATCA AATGTCTGGG
57541 ATACTCTCCA CACAACAAGA CATCTAAAAC AAACACCAGG TTGGTCCCTA CCCTCCTATG

57601 GCTTATATTC TAGTTTGAGA GGCAACATTA ACAACGGCAA CCTCATGTGA ATCAGTTACT
57661 TGCCTTTAAA TGCAAACATG AGGTCAGAAA TGGAGACAGA GCTGATACGG GAAGTGTGTG
57721 TGTGAGTGTG TGTGTTTATG CATTTATGTG TGTGATTTCC TCATTTGGAC TTGTTCAACT
57781 GAGGGAATTT AGCTTTGTAG GTTTGAGTTT CACTAGCATT TTGGCTCATG AATTTAGTAG
57841 TTTGCTATGA TTGCTTTAAG AAAACTGCAT AAACATAAAT TTGTATTTAC CAAACAAATT
57901 AAGGGATTAA GGAATGATTA CTTGTGTCTC AAATGAATTC ATCCAATGAG GTACTTTAAA
57961 TTGAAATCTT GGCTGTACCT TTAAACTCAA ATTTTTTTAA ATGCAATTTA CAAGGAAGTT
58021 TTTTTAGTCT TCTACGGAAT GAAACAAGCT GTAGCTGAAC GGAAAAATAA TTGGCTTTCT
58081 CCAGTGACAA ACATAAAATA ACTGAGCTGG AATTTCAATT GCATCCTTTC CTATTTAACA
58141 CTTACCAGCC CCAATGACCC CAAATAAATC CTAAAAATGC ATACTTGGTT TTCTTGCTTT
58201 CTTGTATCAT TGAAGAATGA AGTACAATTT GAGTCCCCCC AACGCTTGCT GAATTTTCAT
58261 TTATTTTTCT GTTTTTTGTT TGTTTTTGTT TTTAGTGGCA GGGGACCTCT CTGAGATACA
58321 GGCCACATAA CAGGAGACAA AATCTAAACA TTTAAAATGA CTCTTGCAGG TGGAAATATC
58381 TACACATTGT TGCCAAAGGC AGTATTTCAG AATTCTAGCA CTTGTGCCAT ATTCAAAAAG
58441 CTGAAACAAT TGTAACTTTC TCAATCATGC TCTTTCAGCT CTAATAGGAC CCAGTGAATA
58501 AAACAAATTT CTGAAAGCTG GGGAGAAGCA AGCAGTTTAT AGTAAATACT GTCATCAATA
58561 CATGAAATTC TTAAGTTTTT CATTGATAAA GCTCACTTTA ACAGTGCCTT TATCTGGCAA
58621 AGACTGACTG CAGGGACTAT GAGATGAGTC AAAAACCAGA ATGTAGGGTT TGGGGCTGAG
58681 AAGAACAGGA AGCCAGTTAA AAAAGTTAAG CCATATAAAT GCAAATGGTA TATTAGATCA
58741 AGTGAAAGAG TAGAATGGAG CACTATTTCA TGAACTCTCA AAATAATAAC TTTATGCCTC
58801 TGCTGAGAAG TGCTTTAAAG TTGGTACTTT ACCTAAAGTG ACAGCAACTG AGAAAACAAT
58861 TCTCCCTCAG TTGACAGGAC TTGGAGTGCT GTAGCAACAA GGAAATAATT TATTATTGAA
58921 AATAAAAGAT GATTAAATAA CTCTCTTGGT GATGGTCAAA ACATTGGTAA ATGGCACAGA
58981 CTGATAGAGG CAAGATAATG ATACACGACT GACGGAGTTT TACAACATTC CAATTCAACT
59041 AAAGTAATTT GTTACTTACC AGCAAAATTA GTCAACCTAA ACGAAAATGT GCTGCTTTCT
59101 GACAGCCCTC ATATTTAAAC CCTTGAGGGA AGGGGGACAG GATAAGACAT GGTCCTTTCC
59161 TCAAGATCTT TAAGTTCTTC TAGGGAATTT TTAAAAATGC ACGAAATGAT TTTCATCAAA
59221 AGAGCTTTGG AAATAAGGAT GGTCTAAATG AAGATGTGCT TTTTAATTAA GTTATTCATT
59281 TAGGATTTAA ACAATTCTTT ATCTCAAAGT ACTGAGGCAG CTTAATGGAA AATGCAGAAA
59341 CTAACACAAA ATCTGGTAAG AACAGATTTT TAAAAGATAG TGACTATTAG AGAATCTGAA
59401 AAATCAGCCC CTGAAATGAA CCATTTGCCT CAACTAAGCA TGGGATTTGG TCCGAATATC
59461 AATGTTCTGT GAGAGCAGAA TTTTCACTGA TAAATTTCTC CGTGGAGGCT TTTGCTTCAG
59521 TTTTTCAAAA TATGCTGCGG GGTTCTTGTG CATGCCTGGT ACCTGAAAGG TTTTTCAATT
59581 ACAGTTTTAT TAAACATGTG AAAATATTGG TCAAAACAGA TGATTTCCAT ATTTTCTCTG
59641 GAAAAGGGCC AGAGTACTAC CATATTTGGG AAAGGCATCC CTTTAAAAAG TAATATAACG
59701 AGGTCCAAGG CGCTTGGTTT CTAACAACCA AATAACTTGG GCACAGACTG AGAAGCTAAA
59761 GCAGAAATTG CTACAGTGGG TACAAGAGCT GGATACAGAG CACAGATGTG TTCTGTTTGG
59821 CCTGAACTCT TTTCTTTTTA AAATATAAAC CAAGTTTTAA AATTCAGAGA TTTCACATGC
59881 AAAACTGGTT TTCTAATTCC ACTTAAAGAA ATAAAAAAGA CTTGGAAACA GTGGGCCCAC
59941 ACCATCCCAA GACAACAGTC AGCTGACTGT GAGCTGAGAT GCTCCTCTTG AGAAAGTCTC
60001 TGTGTCCTCA AATTTGCCTC CTCCCTGACA CTCCTTCATG TCACCTACTC CCCTGCCAGG
60061 CCCCTGTGGC CACCTGAATG TTTACAATTA ATGATTATTT CACCTGCACA TTCAATTCTC
60121 TCTTCTAATA TTAGGGTTTA ACTAGAATGC AAAAAGTCAT GATTTAACTC TCTAATATGA
60181 ATATTTTTAA CATGCATGTA ATTCTCTAAT GTGTATAATC ACATTTCAGT TCAAGGCCAG

60241 AGGACATCTA CTTTAGAAAT CAGATCTATG TGATGTTAAT AATTATTATT ACCATGATCA
60301 TGATTTATCG AATGCAGACC AAATGCTTAG TCCAGTATTA AGTACTGTGA TGATTATTTC
60361 ATTTACTTAT CACAACCACC ATGCAATTTT GTCATTAACA TTTTATAGAT GGAGAAATTA
60421 AGGGTCAAAG AGATGAAATA ACTTATCATA TCATATCAAT GAGAGAAAGC AAATAAAAGA
60481 CAAAGCCAAT GGTGACACAC AAGCCCTCAT CCTTCCTGAT ACTCCACAAT GAAATAGATA
60541 TTCCATCAAA AAGTTTAAGA GTAGAACTTT ACACACATTC CAGTACAAGG CAAAGACACA
60601 GGTGTGACTA CTAGGAGTTG AAGAAAGTAT ACAAGGGGTG GGGAAGCAAT AAGTTTCTTA
60661 GACAAAAGCT TTGGTTCTTT GTAATTACTT CACTTATTTT AGGAGACATA TATAATAAGG
60721 TCAGCTTGGT GAAGCCCAAG AGTTTTAAGG TAAAAACTTG AGTGTGAATT CAGGCTCTTA
60781 CATGTATTAG CTGTGGGCCA CTTAACTTCT TGAAACCTCC ATTTCCTGAT TTATGAAATC
60841 GTCCCATGTA GGATCATGAT GAAGAGCAAA CATGCTTGAA GTACCTGTGA AAATCCTCTA
60901 GACAGTAAAA AATGCCACAC AAGCATTCAC TTGCTAGAAA GGTAACATTC CATGCAATGC
60961 TCTCTCACAC CAAAGAAAAT TGCAGGAAAC AAATGACAAG ATAAGTATGA GTTTGGTAAA
61021 TCTATTCCTA CTCATCAATA GAATGTAGCA GTTTGATGAC TTCTAAAAAA CCTTTCAGGA
61081 AATTTGAATG AATAGACAAA TTGAAATATA ATAATTTTTT GTTACCACTG TGCCCTGATG
61141 CTTTCAAATA TACAATGGAA TCAATCATCG TTACAATAAA GTTGCCAAGA GTGTTTAGGA
61201 TCTAGAACCA AATAATCTGG TTTTGAAATA TTGTTCATAA CCAGCATAGG TCTGGCAAAC
61261 AGGCAGTAAC TTGAGAATCC AGTTCAATTT TCAAATCCTC TGCTTACTCC TGCACATTTA
61321 TCAGGCGAGA GCTGATCTAC TTTGGCTTTG AGACACTTAG TGTGTTATTT CGCAACATGC
61381 TAATAAAATT AGTAAGTTTG ACATGCAGAG ATGGGAAGGC AATGATGTGT CTTAAGATTG
61441 TGGAATTCTA AAATATTGAA ATAAAATCAT GTTTGGCTTA CTTTTCAAGG AAATAAAACT
61501 GCTGTACTTT CATTCACAGC TGATGAAAGA ATTACAGAAG AATATGGGCA ACAACAATTG
61561 TAGTAGATTT TTAAGTACCT AGTTAAAAAG TGTTCTGGGC CATCCAGATA TATGGAAAGC
61621 AATATTCCTT AATCTTCTCT CCTGGAGCTC ATTTGCTCAC GTAAAAGTTA ATTATAAAAC
61681 ATTGCTATAT GACTTCTACT GGAGGAGAAT TCACCATGCT GGGAATGGCA GCAGGTTGCA
61741 GTGGAGAAGG CTCTGAATCG ACCATGAGGG GGCTTTGAGT TCAAGGGCAA TTACCCAACC
61801 ACTCTCTGTG CCTGTTCTCC AACCAGTCAA ACAAATGGGT TGGACATGAT GAACTTAAAG
61861 GTCCCTTTCA TTTTGAAAAA TGACACAAAA AGGACAGAAA GACACATTCA GATTCACTTT
61921 GGTTTCTAAG ATAACACCAA ACACTTTGAA ACTTCCCCCT TCATGTTTTT CAAGCAGAGG
61981 AAGTAAAAAA AAAAAAAAAA AAAAAAGAAA GAAGTTGCAA GTATTGTTAA GGCTTCTAGA
62041 AAGGACAACA AAGGGCAGGA AATTTGAAAC AAAATCTGAG AATCTGCCCT TAAACTGGGC
62101 AATTTTGCTT GTTTTCTCAC AGTGCAGTTA GATGAAAAAG TGTAAGGTTG ATCTTCGCCT
62161 TTCCTGGGCA TTACTCATTG CTGTCATGAC CTTGATGCAA TTTGCAGTAA ACATCATAAA
62221 GGTCTCTCTT GTGGTGAGTA GCTGCAACTT TTCTGATGCT ACCTCCTGTG ATTAAAATAT
62281 CTACTCCCGG CCTGGCACGG TGGCTCACGC CTGTAATCCC AGCACTCTGG TAGGCCGAGG
62341 TGGGTGAATC ACGAGGTCAA GAAATCAAGA CCATCCTGGC CAATATGGCG AAACCCCGTC
62401 TCTACTAAAA ATACAAAAAT TAGCTAGGGC TTGATGGTGC GTGCCTGTAG TCCCAGCTAC
62461 TCAGGAGGCT GAGGCAGGAG AATCACTTGA ACCCAGGAGA CAGAGGTTGC AGATGGCCAA
62521 GACTGTGCCA CTACATTCCA GCCTTACGAC AGAGCAAGAC TCTGTATTTA AAAAAAAAAA
62581 AAAAAAAAAA AGGCTACTCC TTTCCAAGTC CTAGCAATCC CACTAAGGTT GGTAACTTAG
62641 TCTGTTTGGC TGCCATACAA AATATGTGAG ACTGGGTGAT TTATAAAGGA CAGAAATTTT
62701 TCACAGTTCT AGAGGCTGAC AAGTCCAAAA TCAAGGCACT GGCAGTTCTG ATGTCTCGTA
62761 AGAGCCCCCT TTCCTGCTTC CAAGATGGTG CTTTGTTGCT GTGTCCTCTA GAGAGGACCA
62821 GTACTGTGTC ATCACATAGC AGAAAATGGA AGGGCAAAAG GATCCAGGCT GGTTACCTCC

62881 AGCCCTTTTA TGTGGGACTA ATCCACTCAT GACTTAATCA CTTCCCCCAA ATCTCCGTCT
62941 CTTGATACCA CCACAATGGG GATTAAGTTT CAACATAAAT TTTGGAGGGG AGACATCAGC
63001 CACAGTAGTT GGTGAGAAAA AAGGACAGTA TTTACATAAT GACAGTTGTC AATGGGCTGT
63061 GGAAAAGTCA AGATAGATTC CAGCAGTGAT TTTAAGATGG AAAATGAGAA CCATGCACAC
63121 AGTCTTCAAG GTGCAATCTT CCAACATAGT TCTGGAACAC AGCTGGCTCC TTCCATCCAT
63181 GGGGAATGAC CACATTTGTG TGCTGAAATA ACATTTAGTA CTAGAGATAA AACTGGAATA
63241 AGTGATCTAA ACTTTGAAAT GTTTTGAATG ACCTTTGGCT ACAAAGTCAA ATTATAATGC
63301 TTTCTATTTC TTAAGACAAC TCTTTATGGA AGTTCTAGTA TGTACCTAAC TTTGGCACCT
63361 TAGATTTGCC CCACACTGAA TCTTATCTAT TAAACCTATC TCATTCTGGG GTGAGAACCC
63421 AGATGTGTAA AATCGTATGG CCAGAGGTGA CTGAGAAGTG CATTTTGACT ATGTTTCATA
63481 GTCTTTTATC CATCTTAGCA TAATCTTTTT ACCAGCACCA GTGGAGTTGT GAACTCGCTC
63541 AATTTCTTGT GATGTCCAGT GTAAAAATGT ATGCCTATAA ATGTAACTCT TAGAAAGAGA
63601 AGCAAAAATG AGAAACCATG GGGGAGGAGG GGAGGAAATG ACAAGCACAG TCTGTTTTTA
63661 GGACACTGTA CTTGCTGTTC CCTCCAACTA GAATGCGCTT AACCCAGAGA TCTGCCTTCT
63721 TCATCCCGAT TTCATACCAA TTACTGCTCA AATATCACAT TATCAAAGAT GCCATTCTTG
63781 ACAACCGCTT CTAAAATTAC AAGCATCTAC CATTGTTCTC AGACCCTCGC GCTGTACTTA
63841 TCTGCTGACA TGTTGATAGA ATCTTGTTTA TTAGCTTGTA CACATGGACT TTAATTCACT
63901 CTGTATTCCC CAAATCTCAA ACATTGGCTG GCACACGGTG GTTGGTACTC TATAAACACT
63961 TGGTGATGGC TTTCCTATCC CTAAGTCCTC CAAAGCCAAG TTTCATACCT CTTCCTTAAG
64021 TTCCAAAGGA AACCTTATCT GCAGAAAATT AATGCATATT TGCTGTTGCT GGATAAAGAA
64081 TAAGGATATA GTCACAGAGA AAAAAGGACA TGTTGAGGCC AGGTATGGAG GGTATAAACA
64141 GTTGGTGAAG AGTTTTAAGC TCAAGGCCTA GCCTGTCTAA CTTAGCAATA AAAGGAAGTC
64201 AGTTCTGAAG TCAAAGAGAG TTCTTCTTTC CCCACTGGGA GGAGCTGGTT CATGAAAGTG
64261 GAGGGCCAGA GCCAAGAGAA CTCTCCCAAG ACACATTGTT CAAAAGTCAA GGGCATAATC
64321 TAGATAGAGC TACACAGTAG CCATGAGGAC ACATGGATTT ATAAATTTAA ATTAACTAAA
64381 GTTAAATGAA ATCATACATT CAGTTCCAAG TCAGACCAGC CATTTTCAAG TGCTTAATAG
64441 CCACATGTGG CCAGGAATAG ACAGGATACT TTCATCATTG CAGAAAGTCC TATAGGACAA
64501 CACTGATCTA AAGAAATTCA AAAGGACCTG CGTTCCTCGG CTTCTGAGGA GATCTGAAAA
64561 CGAAGGCCCA GAGGGAAATG GAAGGAGAAG CAGGGCAGAG CTTGAAAAGT AATCGCATTG
64621 GAAAGGGCCC TGACTGCTGG CTTGGATGCC TTGTGTAATT AAAGTTCTAT CCCAACTTCT
64681 TAAGGAATGA GTCTCGTATT AAATGACTGG CTGTCTGTAG TGTCACTGCT GAGGTAGGGA
64741 GAGAAGACAA TTAGGGACAA GGAGTAGTGT TCCATGGAAA ACACGTTAGC TATGAGTGGC
64801 AGCAGCAAAA GGTCTCAGAA GTGAGAGAAA TGGACCCAAC TAGGTTTGCA ACAAGCTGAA
64861 ACCTGTAAAG GCTCATGTCA GCTGGCACAA CCTCTCAAAA TGCAAATCCC TGAGCCCAAG
64921 ATAAATGTAA GGCTCGTCTG ACTCCTAAGG TATCAAGTAA TTCTTATTAA GCCCCATTTC
64981 AATGACTGAA ACCTAATGCA GAGCCCAGGC ACACAGATTA AGTTTCCAGT CAAAGCCCAC
65041 ACAAGCCTAA AGAAAGGAAA TTAACATTTT AGAGAAAAAA AAAAAAAAAA AAAAAAAAAC
65101 CCACAGGCTT TTTCAAAGGC TTTTTTTTTT TTTTGGAGGA TTTAAGTCAC AGCATGCCAA
65161 ATAAAGGTGA GTTTCTAGGA GAATACAGCA CAGAGGTGAC CAAGGTGGGT GAAATTTATT
65221 CACAGGGGAA AATCCAAATG CCTTCAGGGA AACCACTTTT GCAGGGTTCT TCTGATAAAT
65281 ACTGAACCCA ATTAAAAGCA TCCCTTCAGG GCAAGTTTTC TCCTAGGAGA TTTCTATTGG
65341 CCGCTTTAAC TTCCCTTTCC CCAGAATTTC CAGGAGAAGT TTGTAACGGT TTATAATCCC
65401 TACCACTCCA TGCTCATAGA CTTTAAGCAT ATTTTTCTCC CACAAGGCAG TACTATTTTT
65461 ATAATCCTTT TAAGATTAAA ACTAAAAACA CAGATGATTA AAAAAAAAAA AAAAAGGCCT

65521 GGCTGCATCC TCCTACAATA AAGTATTATA ATTGCAGTGC ACTACTAAGT AGTATTTCCA
65581 CAAACATTAG ACTATCTGGT TTCCAGGACA AAGAAACAGC CTATAATTCC AAAGCACAGG
65641 AATGGAAAAG TACAAGTAAT TTAATCTGTC CCACTGTGAT TATAGGTGCT AAGAAATTAC
65701 CTGAACGGAC CTCTTTGGGA CTTGAGAAGA ATGGGGACTT TAATGATGCT CCATAACTGC
65761 CCTATTCATT ATGATACCCA AGAGCCACCT GTGGCTATTT AAATTCAAGT TAACTGAAAT
65821 AAAAATATAT CTATATTTGA AATTCAGTTC CTTATTTGCA CCTGCTACGT TTCAAGCCAC
65881 ATGTATCATC TAAGATGGTC TCAGACCCAC TGTTCAATAG AACTTCCTGC AAAGGTGAAA
65941 ATATCTTATA CCAGTGCTGT CCTTAAACCT TAACACAGCC CAGGTATAAG ATATTTTCAT
66001 CTCTGCAGAA AGTTCTATTG AACAGTGGAT CTAAGACCAT CTTAGAGAGA TAATTACATA
66061 ATTTTTCCCA ATTTCATAAT AGAGATTATG AAGTAACAGC CTCCAAAATA CAGGGTTTTT
66121 AGGCTACTGG CTACCTTCTA CACTCAGGTG AACTTTTTGT AGTGGTTTAC ACATGTGTAC
66181 CAATTGCCCT CATCTCCCCA GTTTCAAGTA CATTAAAATG GCATTAGATG TAATAAAATA
66241 CATGCCACTG AGACTCAGCT CAATTGAAAC TTGAGTTTCT TCAGAATTCC AAACGATGGT
66301 GCATCTCTTT CTGAAACCTG AAGTGGGGAC TTGTCAGGAA AATGTCTATG AGGGAGGCCT
66361 AGGAAAAAGA AGGCATTTTC CAAAATTAAT AAATTTATTT CCTTGTTTTT TGTCACACCT
66421 TATTCCAGAG GTGTCTCTAG GCTACTGTGT GCGGAACGAG GTCTGGACAG AACCTAATGA
66481 TAAATTGGGG GATACTGAAA GTCCTGGCAC TCTAAGGAGC TTCCCCACAC ATCTTTAGAT
66541 TTTTATTTCC CATGTGGGAA AAAAAGAAAG GGATTTCCTA TCTTCCCATC ACAAACTCCT
66601 GGCTTTGCAG TGGTTTTATT ACGTCATTCC CCTACTTACA ATCTGCCAGT GACTCAGAGA
66661 ATTTAGCCCA AACTGGCACT TAAGGCTCCC ATAATCTGAT TACCTTTCTG CTGAATAACT
66721 CCTTTTATCA GAAACCCTTT GACCTGATAA TTGCTGGCTT TCCTACCACC AAAATTTCTA
66781 CCTCCCTACC AGATCTATCA GGTGGATTTT AAGGTCAAGA AGAGCATGCC CAAGGCAGCC
66841 TGCTCAGCCC CTGGAAGGAG TTCAGTGCCT TCACTGTTGG CTGTGAGGTT TACGTGATGG
66901 AGGGAAGAGA CTCCAAGAAT GGTGTCTGAA AGGATGCCTG GTGTCTGATG CTGCCCCTCA
66961 GGAGTGGTCC AAGGTGGTTC AAATACTGCC TGCTTTGGCC ATGGCTGACA GAGCTGAAGA
67021 ACTGCCTCTA TATGGTGTGT GGACACACAC CCCAGGCAGC CACTTGCCGG CTTCCCTCTG
67081 TTTCCTTGAA GGAAGTGGAG TAGCATGGCC CTGGGGCTAA CAAGTGAACA ATAGTGCCTG
67141 CCTTAAATCA TACCCAGCCT TTCAGACCCA GGTCAAGTGT TTTCTCTTTT GGAAAATCAT
67201 CCATTCCCCC CACTACCAGC CCCACCAAGA GTACTCTGCC TCCTCCGGTT TTGGTTTTTA
67261 ACCATCTTTA CTGTGAGGTA TGCTTTTAGA TAGGCCTGTA TTTGCTCTGT TCTGCAGATG
67321 AGTTTCCAAA ACCTTCTAAA ACCTTGCTCA TATTTGTTAT GCTGGATTTA AAGTCAACAG
67381 ATGGGAGTTT TCAACCCAGT AAATGGAATT TCTTTGCTGT GGGAAATCAA GTACTTTGAC
67441 CTCTCTGGTG AAATTCTTCA TTTGTAACCT CACTGGGTTA GGCTAGATTA GTGTTTCTCA
67501 ACATGGTTCC ACATCGGAAT CATCTGGGGA TCTTTTAAAA CAATAATGAT GCCAAAGTCC
67561 TACCCCAGGG CAATGAGTCA GAACTTCTAG GTGCTTGGCT CAGGCTTTGG AATTCTTTTA
67621 GAAGTTCGCA GGTGATCCTA ACGTGCAGCC AGGGTTAGAA AAATAAACTG AGTTCAGGAA
67681 GGGACTTATG CTACATGGAC TGGAGAATTC AATAGGAAAA AATGTAGTAG TTAGAGATGG
67741 GGCATGGTAG TACTGGACAG AGGCAGTCAG GCCCATAGGT GTTGCTTCTC ATCTTTGCCT
67801 TGAGCTGTAA CTAGAAAAAC TGCAAACTGC ATTATAACCA GAACATTATT ATATACATAT
67861 ACATGTACAA TCAAGCCCAA CCCAATTAAT TTTCTCATAT GACTCAAACT CTAGTACCAT
67921 TTGGAGATGA GGCAGGAATC ATAAACATAA TTGGCTGCAG GGCATTTAGT TGCCATTGTA
67981 TAAATTCTTC CTGAAAAATA ATTTTAGATT AATTTTTAAG TGTGGATTTT ACAATTTCCT
68041 ATCTTTTTAA AGGGTGGGAA TCCTTTGCCA ATTCCCAAGA GGACAATAAG CTTAAAGGAA
68101 GATAATGTCT GAAAGATCTG AGGACCAAGT TTCCTGAGAA AGCTGTATTT CTAAAGTTTT

68161 GACCCTACAA GGCAACATTA AAAGTAAGTT CAAGGAAACA AATGTGAGAA AGCATATCTC
68221 CCTTTAGATA ACCTAGCAAA GAAGTTAAGA AGGGAAATAG TTCCTTAGAT CAGAATTAAC
68281 AGTTGTGGAT AGCCTTCCCT TCAGAAAATT GCAATGCTAA ACAGACGTTA CACAAGCAAT
68341 ATATCCCTGC AACTTAATTT CTCTTCCTAG GATCTTTAAT ATTTTTCTTT TTTTATTCCA
68401 TTAAACAAAT ATATATTGAG CATCACCTAT CCACCAGATC TGAAGAAACA CTATTTTTAA
68461 TATGTTCAAA ATTTGAGTCT TTTCTTGATA CAATAACATC TGCCTTAACA GGAATCAGTA
68521 TGTAAAAATT ACAGTTTTTA AAGAATTATA TAAAAGGTAT TATTCCAGAA GACTTGCTAT
68581 GGAATCCCTT TTAAAAAGGG CGTTCAGAAA AAGGTAACAC TGAAATTTAT TACAGTTTGA
68641 AGAAAATCAC TCCAATTATA AATCCATGAA CCCAGTCATT GTTTAATGAA GCTCATCTTT
68701 GCTGGAAAAT CCCCACTGAG AACAAAGCAT CACAATGATC CACACAGTCC TAATCAAGCC
68761 CACTGGAAAA ATCACCCTGA AGAACACTGG TGGAAAACAG AAAGAAGTCC ACACCACAGT
68821 GTGAGAGCTA ATTTAATGTG TTCTTCAAGA AAAATTAAAT AAAACAATAT GACTCAATTT
68881 TTCTTTTATG TTGCAAGAAA AATAACATTT ATATAAAGCT AGTAGTAGAA AAGCAGAAGT
68941 ATAGCTTAGC TTTCTATGAT GGCAAGTGAA ATAGTTTCTG CTAATCAAAG TGATTCTTTT
69001 TTTTTTTTCC TTTGAGACGG AGTCTTGCTC TGTCGCCAGG CTGGAGTGCA GTGGCACGAT
69061 CTCAGCTCAC TGCAACCTCC GCCTCCCAGG TTCAAGTGAT TCCCTTGCCT CAGCCTCCCG
69121 AATAGCTGGG ACTAGAGGCA CGTGCCACCA CGCCCAGTTA ATTTTTGTAT TTTTAGTAGA
69181 GACGGGGTTT CACCATGTTG GCCAGGATGG TCTCAATCTC TTAACCTCGT GATCTGCCCT
69241 CCTCGGCCTC CCAAAGATCC GGGATTACAG GTGTGAGCCA CCGTGCCTGG CCATCAAAGT
69301 GATTCTTAGC CATTTTCTTT GAAAATGTCA GTCATAGAGG TAGGCTCTGT TGCTCTTCAA
69361 TGTATACCTT CTTTTATATA AAAGCAATTT GACTAAATAT TAGATGTCTG TGTGAGTCGT
69421 GTTCTGCTAC TCAAAACACT TCTTGTTCTG TTCTTCTCTA TATTTTGTTT ATTTGTTTGT
69481 TTTTTGAGAT GGAATCTTGG TCTGTTGCCC AGGCTGGAGT GCAATGGCAT GATCTCGGCT
69541 CACTGCAACC TCCACCTCCT GGGTTCAAGC GATTCTCCTG CCTCAGCCTC CCGAGTAGCT
69601 GTGATTACAG GCGCCCGCCA CCATGCCCAG CTAATTTTTG TATTTTTTAG TAGAGATAGG
69661 GTTTCACCAT GTTGGTCAGG CTGGTCTTGA ACTCTTGACC TCAGGTGATC CACCTACCTT
69721 GGCCTCACAA AGTGCTGGGA TTACAGGCAT GAGCCACAGC GCCCAACCTC TTCTCTGTAT
69781 GTTTATTCAG ACATTCATGT TTAAGAATTT CTGAGAAAGG AAGCCAAAGA TAATAATACC
69841 TGACCTCTAT GTCTATATGA TGAAGAAGTG CACTTCCTAT GTAAAGATGC CCGTATTCCT
69901 GATTAGGTTA AGCAACTTGA AGTTCTAGTG AGGGGCAAAA CTACAGGACT GCAGAAACTG
69961 GCATAGCCTT TTACACATGG CAGCATTTGT CTACTGATAA TGGTGACACA ACCTCCAAGA
70021 GGGCAGACCA CACGGTGTAT TAAAGAGAAG CTGTCCCCAT AAGAAAAGGG GAAAAGTAAA
70081 ATGACTCATT ACATAGTTTG AAATCTCTTA TGATGGGTGG ACAAAACCCT CAAAGAAGAA
70141 ATTCTCCAGT CTTAAATTGG GCTTTTAATG TTCGAGGCAA GAACAAGTCT CCTGATGAGT
70201 ACACTGCCAT CGCCTCTTTA ACAATTTAGC TATGAAAATA TGAAAATACG AGGAGACTAT
70261 AGATTTTTAT CTTAGATTTA CTTACAAATT AAGCAGTGAG GGAGCATGAC TAAAAATAGA
70321 AAAATGATGA AAAGATTAAT TAATGATACT TTACTATGTC TCAGTGGATG GGCAGTCCTA
70381 TTACAGCTGG GGCAGATGAT TTCATCTTTC TGGGCCTCCA TTTCCACATC TGTAAAACAG
70441 GATAATTATA TCCATCTCAG AGAGCTGTTT TTAAAATTAC AGATGACAGG AAAGTGAAAC
70501 TGTTTTGAAA ATAATGAAGC TTTCTATTAC TGTGAGATTA TTAAAAGATT ATTATAACTA
70561 GACATGGTCA ATATGTTTTC TTCAAAGTTA TCAGACTAGA CATTTTTCCC TCTGGTGATC
70621 TTTCACCCAT ATGTCTCAAT CATACTGAAA TTATTCAAAT CACTTCTTTT TTCTGTTTTC
70681 CTGGTACTAG TTTCTCTTTT TCTTTTTCTT TTTCCTTTCT CTTTTTTTTT TTTTTTTTTT
70741 TTTTTTTTGA GACAAAGTCT CGCTCTGTTG CCCAGGCTGG AGTGCAGTGG TGCGATATCG

70801 GATCACTGCA ACCACTGTCT CCTGGGTTCA AGTGATTCTC CTGGCTCAGC TTCCTGAGTA
70861 GCTGGGATTA TAGGCGTGTC CCACCACTCC TAGCTAATTT TTGTATTTTT AGTAAAGACA
70921 GGGTTTCACC ATGTTGGTCA GGCTGGTCTC AAACTCCTGA CCTCGTGATC CGCCTGCCTC
70981 GGCCTCCCAA AGTGCTGGGA TTACAGGCCT GAGCCATTGC ACTGGCTGGT ACTAGTTTTC
71041 TATCTGCCTG AAGAAGTACG CAAATGACTA TTTTCATGAC TTTTTTTTTT GCCTTTAATA
71101 TTATTTAACA GCTATTTTAA CAATGAAAGA CATTTTACAT ATTCTCAAAA GGTATGTACC
71161 AAAGAAGGGT GTGGGCAGAA ATGTTCACAA AATCAGGACC TTTCATTGCA TCTTGGTGAC
71221 CACCAATAAA GTACACAGAA ACCCATAGTG AACTGAGGTC TAAGTGGCTG CTATCAACCA
71281 ACACAATCTT GAACTGCTGA GTCTGATCAT TTCATTTTCT TAAAACTTCA GGACAGTTCA
71341 ATTTAGAGAG CACAAGAGTG AAGTTAGCCT CCCTGGTCAT CTAAAGCAAC ATGGGAAGGT
71401 AATTTAAGAA AAGTGACACC ATATCAATCA CTTTCCCAAG CTTTTCAGGG GCTCACTCCA
71461 AAGACTTTCT TGATGATAAA TTTTATTAAA GTGCTGATCA TAATCAAAAC AGTACATTGT
71521 ATCAGAGGTC AAGCATTGTT TTTCACTTCC CTTCCCAGAA CTTATTAAAG ATGTACCTCT
71581 GAAGAAAGAC ATAAGGAAGA ACAAAATTGT TTTGACTCAC AGAAAATGGC TTACACAGAC
71641 ATCTAATACT TAGTCAAGTT GCTTATATAT ATGAAATAAG TTATACCTTG GGAGTAACAA
71701 AGCCAATAGG CTTGGCTCAT AGGGGGCTAA CTACGGCTGC AGCAGTTATT CAAGAAGTTA
71761 ACATATTCTC TCCTGTCCCC TGAAGACACC ACAGGCATCT CAGTAATAAA CTGATAACAA
71821 CCAATACTCA AGAGTTTGTG AAAATGCTTT GTAAAGTGCT GAATAATGTA AGTGATTATC
71881 TACTTACCAC AAACGTCCTC ACCAACATCA TCATTAAAAT CTTGAAAGAT AAGTGCTTTT
71941 CAGTAGTTTT GAGAGTGAAC CAATGACATG CTAAATTAAA AGCATTATAT TTCAACCATT
72001 TCCAATAAGT GCCACAGAAT ATTAAGACTT AAGAATATTA AAATTCTGGT CAGGTGCAGT
72061 GGCCCATGCC TGTAATCCCA GCACTTTGGG AAGCCGAGGA GGGTGGATTG CCTGAGGTCA
72121 GAAGTTCAAG AGCAGCATGG CCAACATGGC AAAACCCTGT CTCTACTAAA AATACAAAAA
72181 TTAGCCAGGT GTGGTAGTGG GCACCTACAA TCCCAGCTAC TCGGGAGGCT GAGGCAGGAG
72241 AATAACTTGA ACCCAGGAGG CAGAGGTTGC AGTGAGCTGA GGTCGTGCCA TTGTACTCCA
72301 GCCTGGGTGA GAAGAACAAA ACTCTGTCTC AAAAAAAAAA AAAAAAAAAG AATATTAAAA
72361 TTCTTATTTC ATCTCCTTTT CCTCTATAGA TAGAGCAGGT AGGGCACTAC CAGTCCAAAT
72421 CTATGTAATG TGATGTCAGT GGTAGCTCCA GAATTCCCAT AGAGGAGTGG CTACATGGGT
72481 GATGATCTGG CTGAAAGGGA GGCAGGCAAC ACAGCTGGAA GCTGTGCTTG CACAAGAGAA
72541 CACTACTTGT GGTACCTAGA CTGCATGTTT ATTCAGGATG GATGGGGACT ATGGTGGACG
72601 AGAAGGCTGA AGGCCAAATT CAAGACCATC CTTAGAAACC CACTCCTATT AAGCACCCAG
72661 GTAAGAAAGG CCTCATATTT AAGTCTCCTT AGCATGTATC ATTTTAACAG GGCTTTCCAA
72721 AAAGTACAAC CAGGGGTCAC CTTTGCAATA TGGGATTATT TACCCTCAGG TAGGTAGAAG
72781 AGTATCTTCA GCCACTCTTC ATTGCACCAA GACCCCTTCA GCCATCCCTA TTCCAGCAAT
72841 CCCAATGACT GAAATCATCT ATGACTCATA AAGAGAAAAG GCAGGAGTGA CAAAAAATTG
72901 TCCTGCGTGA GATGGTGTGA TTTACTTTAT GACTTTGCCT GGTCTCTATA GTCATAATGC
72961 ATTGAGCCTT CTGCAAAAGA TTCACACATG AGAGAATAAA TGAATCAAAG GCAGAGCCAG
73021 TGATGGATGG AAAATTAACC TTAACACCCA CACACCACAG CTCCCCAAAA TTCACAGAAA
73081 CTAAAGACTG CAGACAGAGC AAGTCTCCAC TGTAAAGAAC AATTTACACA AAGCAGATCA
73141 TACGAGATTT TCCATAAGCC TATGGTTCTG TCAAACAATA CTACAGGTGG CTTTAAGCCA
73201 TTGACATTTA CACTTGGTGG TGAAAAGCCA TCTGGGAGAA AAAAAAATAG CACTCCCCGC
73261 CTTGGATCTA AAAGCAAGTT TCCTCGGCCT TTAAAAGCAA TGAATTCCAA ACAGCAACAA
73321 ACAAAACACA TAAACAGAAT TAGTGAGAAT CTGTGCTAAG AGCTATGGCA AAATCAGACA
73381 GAAGTTTCTC CCTCAAAGAG TTTTCATTCT AGTAAGAGTT TTGTTTTGTT TTGTTTGTTT

73441 TGAGACAGAG TCTCACTCTG TCGCCTAGGC TGGAGTGCAG TGGCGCGATC TCGGCTCACT
73501 GCAAACTCCG CCTCCCAGGT TCACGCCATT CTCCTGCCTC AGCCTCCCGA GTAGCTGGGA
73561 CTACAGGCAC CCGCCACCAC GCCCAGCTAA TTTTTTGTAC TTTTAGTAGA GACAGGGTTT
73621 CATCGTGTTA GCGAGGATGG TCTCGATCTC CTGACTTCGT GATCCGCCCG CCTCGGCCTC
73681 CCAAAGTGCT GGGATTACAG GCATAAGCCA CCACGCCTGG CTAGTAAAAT AGTTTAAAAC
73741 ACACAGAGAC AGCACAGGTA GCTTGGCAAA CAAGGTCATA TGAATGAGAA TGCAAGGCTT
73801 GTCGGAGAGG CTATGGGCAG GAAAAGGAAT CACAGTGGGA TGGATAATCA AGGAAGGCCC
73861 ACTAGAAAAA GTAACATTTA GACCAGGCGT TATTTCAAAG GGTGGAGCCG TTGTAGGGCA
73921 CAAATAGAGA ATGGTAAAAC TTGGGGGGAG GTGGTGGAGA ATGGTCACAA GCTAGGAAAT
73981 TTGTAAGCAA AAAGGATGTG TGAGGCAGCT GGGTTCAAGT GGAACCAGGG CATGAGGGAT
74041 GTGAAGGGTG GAATAGATGA TGGGCAAGAG GTTTGGCTTC ATCTGTGCAC GTAGTCATCA
74101 AACTGGTCCT GTGTCCCATC AGCACAAGGC ACTCTCTTAG GAGCCAAGGG ACACTGAGGC
74161 AGCCCCCATG CTCAAAGAGA AAGGGAAGGC CATGTGATGA TCTAGGATTC ATAAAATCCA
74221 TGGAAGGCTT TCTAACAGAG GCCAGCTATT CAAAATGCCA TCTGGGGGGA GATTTAACTG
74281 AGGGCAATGC CTGTGTTATT GACAGAGAAA GAACAAAGGG TGTCCATAAG CAGAGACCAA
74341 TTAGGTGATT TTTACAGATG ACAAATATAA GAGTTCAGGT TTGTGTTACG GTAGCATAAT
74401 TCAAGGGCAA AAATAAAACC AAATGGTTAT AGATTTTGCG TAACTTTTCT GATGGATAAC
74461 TTAAGATTTG ATGCAACAGG AATCACCATG AGATATGAGT TGCAATGGAA AGTTTTTATG
74521 TTTTTTTTTC TTGCCAAGTA TAGTTCAGAT GTCAAAGGCA AAGAAAAAAA AGTCAGAAAA
74581 TAAAATTATT TGGAAACATC AGAAACTGCT TGTAAGGACT GGTTATTGTG GCTACTGTTA
74641 ATTAAGAGCA TTAATAACTG ACAGGGACCC ATAATTCTGG AAGACAAAAG TAACTAAGTC
74701 ACAAAAAGCT GCCTTATGAT ATTAAAATAA AGGAGCAAAT CAATGAAAAA GCCTACAGTG
74761 GCACTCTCAG AAAAGTCTAA AACAAATGTT GAGCAATTCA AGAGAAATTT ATTGGGTCTT
74821 CACTGAGCAT CAGACAAATA AGTTCCTCAA GACAAAAGAG GATTAAAAAA TGTTGAAGAG
74881 TAAAACCACT TCCTGAAAAC CTGTCATCGA ATCATTAATT TATTGGGTAC CTACTTTGTA
74941 TAGAGCAGAG TGCTACCTAT TTTAAGAAAT GCTGTGGTAT AATAGCTCCA GAATGAATTA
75001 GGGCCTACAT ATGTCAAGGC AATCTGTGAG TAAATGCCTA ATGAGGTAAA CATGATTAAT
75061 GCAGTGAGTT CGATATAGAA ATGGGTCCTT GGGGCCGGAC ACGATGGCTC GTGCCTGTAA
75121 TCCCAGCACT TTGGGAGGCC GAGGCGGGCG GATCACGAGG TCAGGAGTTT GAGACCAGCC
75181 TGACCAACAT GGTGAAACCG TGTCTCTACT AAAAATACAA CAACAACAAA ATTAGTCAAG
75241 TGTGTTGGTG CACACCTGTA ATCCCAGCTA CTCAGGAGGC TGAAGCAGGA GAATCGCTTG
75301 AACCCAGGAG GCAGAGGTTG CAGCGAGCCG AGATTGCGCC ACTGTACACC AGCCTGGGCA
75361 ACAGAGCGAG ATTCCATCTC AAAAAAAAAA AAAAAACAAG AAAGAAAAAA GAAATGGGTC
75421 CTTGGGTTCT ACAGTTCACC ATGGTCAAGG GATGGACAAT CAGTGGACAA AAGACTCATG
75481 AAGGATGACT GGGGAAACAG ACTGGTTAAA AACTGACTCA TTTAGTTGAC TTGCTACCAG
75541 TGCCTTCTGT CTTCTGCTAG CTTTAGTTAA AACGGCTTAG GAAGAGTCAA AAGACTCTCA
75601 TAAAACTAAG CCAACTCTTC CTTGAATTCT CCTCTTCTTT ATTGACAGAA ACAAGCCTGA
75661 TGTGATCCAC TAAAACCACT GCAGATCATT TGGCTACTCT TTGGAACATG CTTTAATGCT
75721 ATTACAGCAG TGTTTTTCAA ACTGCTATGT GTACAGGAAT CACCTGGGGA CCTTGTGAAA
75781 GTGTACATTC TGTTGCAGTA GGTCTGGGGA GAGGACCCAC AATCCTCATT TCCAATAAAT
75841 TCTCAGTGAT GCCAGACCTC CTGTAAGCGG CAAGGTATTA GAACATCTTC AGTTGCTGTT
75901 ATCAGAAGAT GATAGGAAAC CATCATTTTC GGGGTCAGAA TGCTGGAGCT CAAGCTTTGG
75961 GCCTTGATGC ATATAATAAC TCATAAAATG TAATATTCAG GAAGGAATGA GGCTCCTAAA
76021 GAAGTGAGAA AGTAGAATGA ACAAAGGCCT AAGAGAATAG AAATGTATTC TAACAATATA

76081 AATTATAAAA ATAAAAGTAA GAGTGCCCAG GGGTATTGAG ATTGTTAGAT TATTTTATAA
76141 TGATATAACT TAAGGGATTC CAAAATAATG AACATAAAAT GTTATTATTA GATTTTTTTC
76201 CTTTTCACAT ACTTGAAGGA CAAATTATAT CATATTGTCT TTTTTTCTTC CCCAATACTA
76261 TGAGCGTTAG AGAATGAGAC GCAAATCCGA TATGTAGTAA CAAGGTAGTC ACTCACAGCA
76321 AAAGTTGAAA GATTCCTAGT CTACGCTAAC AAGTGTCTGC AAACTCTACA GAAATGCAAT
76381 TAGAGGTTGC GGCAGCTACT CCCCTGCCTA AAACAGCAGT CTGAAAACTG CCAATCTGTT
76441 GCAAATTCTG TCTTTTCTGA GAATATTTTA AGAAAAGTGG TAGAGAAATA TTTGAAAGGC
76501 AACAGAACAC TAATTATATC TAGACAAGTT TCCTTTTTTT TTTTTCCCAA AAAATATGAA
76561 AGTTCCTTTA GGCTTTACAT CTCCTAGGCA TAGCAAAGCA TTTCATAACT TTCTACCTTA
76621 GGAAAAATTT TCACAGACAT TTTAACCAAT TCAGAGGAAG GGGAGAATGA AAATACCATA
76681 ATTAACCAAA GAGGAATAAT ATTACCACCA AAACCAAGTA AGCCTTTTAT TTAGGAAGGA
76741 GTGAGCTCTA GCTGAAGTAA ACATGCTATT TAGTCAGGAT GTATGCTCAG ACACCTGTAG
76801 TCGGAAATTT TCAAAATAGC TATGGTTTTT TTTCTTCTCT TTTTTTAATA GTAGTCATCT
76861 CCAATGAACA CCAGTGGAAG TCTGTGGTAT TTCTCAGTTC TGACCTGTCA TGACTTTTGT
76921 TAGTTTTCTA TTTTGATTAG CTAAAGATTT TCTAACTCAA CTTCAATGAT TTATTCTACT
76981 AACAAAATAG TACAGGGATA ACAAAGAATG AAATGTTTCA GAAGAGAAAA TACTGGAAAT
77041 CTTATTTAGT CCAATTCTTG TCACTGTATA GAAGGAAAAT GAGCCCCAGT GGGAAGAAAG
77101 ACAGCCTGGT CACCCAGACA CCTAGATTCC TGGTACAACA TACCTTAGTC TTTACCAGCT
77161 GTCTCCTAGG TAGAGTCCTT CTAATCTCAA ACTAAGGGTC AGAGCTAGGT TATCTTTCAT
77221 CCAAGATGAA GGTTTGTGAT AATTACATCT TTGCAACTTC TTTTCTACTT GGCATGGGGC
77281 TCTAAAGTAG GAAAATGATG AAGGGTTTAG CTAAACCTGG AGGAAAAATA TTTTGGTTTT
77341 GTGAAATAAC AATGCAGATT TCAGTCTCTG TTTGCAATGG GGGGAAGGAG GAAGAGGCAT
77401 TTTTTAACAT TTATTTTCTA AACCAACAAA CAAATCCTAC CATTAGTCAA AGACTCAGGT
77461 CTTTGGAATC TGAAGCTTGT AAATTTCAGG GGCACTCTTT AAGAAGAAGA ATACAAAATT
77521 AAGAATAAAG TGAATATAAA ATTAAGAATA AAGTGAATAT TTATTTAGAA TTAAAATGGC
77581 ATACAGGCCG GGTGCAGTGG CTTACACCTG TAATCCTAAC ACTTTGGGAG GCAGAGGTGG
77641 ACAGGTTCCT CTGAGCCCCA GTGTTCAAGA CCAGACTTGG TACATAGTAA GACACCATCT
77701 CTACAAAAAT TAAAAAACAA CAAAAAACAA AAAACTGGCC GGTCTTGGTG GTGCATGCCT
77761 TTAGTCCGAG CTACTCTAGA GGACTGCTTG AACCTAGGAC TCCAAGGCTG CAGTGAGTTA
77821 TGATTATGCA ACTGCTTTCC AGACTGAGTG ACAGAATGAG ATCTCATCTC TGGAAAAAAA
77881 ATTTTAAATA GTATCATACA AACAACAAAT TTTTAAAAGC TATAAATACT ACAAATATGA
77941 AGTGTTTAAA AAACAAATAT TTTTATTAAC TGATTGCCAT ACCTCTGAAA TAATTCTCCT
78001 ATATTTTTTG GTTGCACACT CTTTGATCAT CTCTTCCAAT AACATTTTGC AATATTCTCT
78061 ATTGAGAGAA TAGAAAAATA ATTCAGTCTT CCCTTTAGAA ATGTAGATCA GAATTTGTAA
78121 TTTATTCTTG AATAATTTGG AAAAGTTCCT TTCAGCTTCA TAATTCATTA CAGGTAATGT
78181 CATATAAATT TTTTGGATTG ACTTCAAATT TGGAAAACTT TTATCAGGTT TCTTTTATAT
78241 GTGAGCTGTA AGATTCAGGG CACTGCAAGA TTTCGTAGTA TTTGACTTGA TGACACTTGT
78301 TAACCACATT GCCAGGGCCT CTCCTAGAGC CAGGAGATGG ACCTATACCA GGGTATAGGT
78361 AGCCTTGAAG GTTAAGTTCA AGCACTTCAC AGTAAATCCA CCTGAGCCTG GCATTTATAT
78421 CCTCAACATA TTTGATGCAT CTGTGAAGTC TCCCAGTCCT TTCAAATAAA GTGCCTGTTT
78481 TACTCAGAAT ACCTAAACTT CCTGATGGCA TAATTGTTCC ATGATTCAGC CAAGACTGTA
78541 TCACTTGAGG TATACACTTC ATTTTTCCAT TGAGATCACA AGACAGGCAT GATGTTTGAC
78601 TACCTGGTGT ATAAACCGAG TGTTATTTTA TTACACTAAG AAAATGCAAT GGGATAATAT
78661 ATGAAGAATG CTAAAACACT AGAAAAATGT TGGATATTAT TATTTCTCTT AACCTCTAGT

78721 CTTCCAACAC CCATGCTATA ATGGACAAGT AGTTTATGTC AATTAAGGCA GACTAGTCTC
78781 AGTACAGTAT AACAATTAGG AATCTAGATC CCCAAACCAG ACCATCTTGG TTCCAACCCC
78841 AGCCTAATCA TTTTCTAACT AGGTGGACTT AGGCAAATTT ATTGACTCTG GAGGATTTAT
78901 AATAAGCATA ATATAACCTA CCTTCTAAAG TTGTTTTGAG GGTTAATACA CCTGAAGTAC
78961 TCAGCATGAT CCGTGCAGTA GCAAGACCTC AATAAGTGGT AGCTACTATG ATTATTGGGA
79021 AATTAGTCCA TGAAGTCTCT TGAGAAAAGC TACAGGGGAA ATAAGCCCAA TTTCATTTCC
79081 CTATGTAGAA AAGTTTGCAG GATTTGGGCG TGACAGGTAG TCATCCACAA AGCAGCAGTG
79141 TTATCGCCCC ATAGGAAATG AAGACTTCGT AATGATTTAT ACTTTAATAA AGAGCTGCTG
79201 CAGCATATAC TGAAAATATG CACCCAACCC ATATCTTCTT TCAAAGGCAT TCATGTTGGT
79261 TCAACCAAAT CCCTAGTTCT CTAAAATGAA GTTTTGACAA TCTTATATCT TCTAAAGCAC
79321 TGAGAAGCCT TTTTCCTTGT TTTCTTTAAA GAGGCTTGAG AAGAACCAAG CCTTTTTTTG
79381 GTTCAAATAA AATATTTACA ATAGGAGGAA AAAACATTCA GATAAACTTC ACCTTGCCCG
79441 CCTGGTGGTC TCTCAATACA CAGAAGAAAT GCAACTAGGG CACTAGGAAA TCTAAAAAAA
79501 AAAAAAAAAA AAGGAAAGAA AAAAAGTATA GAGCTAAAGT TCACTTCAGG ACAACGCAAA
79561 CTAAGAAAAA CTACATTTCC CAAAGGAAAT AGAGCACTAT GTCTACAAAG TAACTCATTT
79621 TTTCTTTAAT GTTCAATGTT GTCTATTCCA GGGAAAAAAT GGTACAATTA ACCAAAACTT
79681 ATTTCTACCC AACATCTCTG CAAAGGAATG TTGCTGCTGC AGATCCACCC CCAACATGGG
79741 AAGGCCCAAG GCAAGTGAGC AAATAGAGGC CCATGTACCA TAAGTCAAAA CATTTAAAGT
79801 TACAAATCAA GCTAGCAAAC TGCTCAATAA AATAGGTGTT ATCCTTCTAC CTAGACTGAC
79861 AAATATATCT TTTCAATGTC TTGGAAGACC AGGTACAACT TTAGAACTCC TACAATGTTC
79921 ATAGTCCTTC CACAGAAATG GGTGGTTTAA AGAGAGACAT CATCCTGAGC CCTGGTAATC
79981 AATTTGCCTT CCTCCCCCCT GCCTGCTCCA TCCTACATCA AGAGGGGCCT TGTGATATGT
80041 GGACACCCAA GCTCGCTCTC TGTCTCTCTC TCTCTTTCTC TCTCTCTCTC TCTCTCTCTC
80101 TCACATACAG ACACACACAC ACACAGAGCT ATCCCTTAAA CAACCCTCGT GCAGAGATTG
80161 CACAACCAGT AGCAATGACA GCCTTCAGGA AGATGGCTTC AAGGATCCAT GCAAACTGCA
80221 GATACCAGTT CAGGGCCTTC TGGACAGCGA ATGTGGGTTC CCACATAACC AAATCATGGT
80281 CTAAAAATGA AAAGAGAGTA AGACTGGAAG GCCCAAAAGT CACCTCACCC CATAGGCATG
80341 GCTCTGACCA GAGAAGAATG ACAGCAGAGT ACCATCTAAG GCCCAGGACA GAGGCCAGTT
80401 GTGTTCATAT ACTAGGTCTA TATTTTAGTT GTAGAGCTGA AAAAAATTGG AGGAAAATAT
80461 TCCCTCAGAA AAGAGAAGAA AAAAAAAAAA AAAAAAGAGC TGCATGTCTT GACCTTTCCC
80521 AGATAGAATC TCCCCAGTCA TAGGTACGGG CCCTGAAGCT AAATCTCATC TAATAATGAT
80581 AGCTTCAAAC CTACAAACAA AACACAGATG CTAGGGAACC CTTAAGAGTC TAAGCAGGAG
80641 GCCATAAGTA GACTAAACTG ACTACACCCA AGAGGATAGT TGCTACTTGT TGGGTGCTAA
80701 GACCTAGAAA GCTGACTGTG GCAAGTAAAA GGCAGAAGTA CTCCTGATGT AATGGGTGAG
80761 GAAGAGAATC TTAACCTCCT ATAAGTTTTC AAATTGTCCC CTTCAAAAGT CAAACTGTCC
80821 CCTTCTTCTT TGTTATGTTG GATAAAGTCG GCTCTTCTTG CCCTCATCAG CAGTTGTACA
80881 CGATTGTACA CAAATGATTG TCCTACACAC TCAAAATTTG GGGTTTACAA TACACATCTT
80941 TGCAAATGGG GTATGTCCAA CTGCTATAAG TGGCCAAACC ACAGGTCACC CACCATGAGT
81001 CCTACCACTA AGACACCATT GTCAAACTGT GGGCTGTAGA GTTTCCTTAT GCAAAGAAAC
81061 TCTGCCTTAT CTTGATTTTC TGTGGTACAA ATGTAGTCAG GAAGGAGGCA GATAATGCAA
81121 GCAAACCAAA TCAATTAAAT CAGGAGCACT GAACTGATGA CATTAGATGG TAAGCTTCCC
81181 CTCTCTCAAA TCTGATATCC ATTCACCCCT CTTCAGCCTC CCTCCCAACA CACGCATACA
81241 CACATAGAGA CCACACGAAA GAACCTAGCA GCATGCAAGC ACAAGAAGCT TGGGCCACAC
81301 ACTCATACAT GCACCCAGGC AAAACTCCAG AGAGACCCTG AGCAGGATCC ATCTTTCCAT

81361 CCATAAAATA AAGATAATAA AACTTATCTT GGAGATTTCT TCCTAGGATT AAATGAGATA
81421 CATAATATCA AGTGGCTGTC TCAGGGTAGG TTCTCAAATG TTAATTGTCT TTCTCTTCCT
81481 TCTCCCTGAG ATGAGACAAT TTGCCTGTCC AGCATTCCAA ACCCTTTGGC ATGCCAAGCA
81541 AAGAAGTATG AGTCATTATC TTGCCTCAGT CACAAGCAAC AAGTACCTGT GGAGCAAAAT
81601 ATTACCAGGA AAGTAGAGAG TGCAAAAGAA GCGGTGAGCA TTCTTGCTGC GAATGCATAT
81661 CTGTTCTACT GAAAATCATA ACTTAAATCT GCTGAAGTTG TACATAAGGA CCTGGAGGGT
81721 AGAAGCTAAC AAGGTAACAG AGTTATGCTT TTATGTGGAA CTTGGCCAAA TAATGCCATG
81781 CTGTAGCCAG GAAGTATGTT TCCCCTGCAC CCTATTTAAA ACTGCTTTGG TGGTTTGCAT
81841 CAGACCTAAA TAATATCCAC GCTACTCTAG AGTAGGCAGT GGTGGCTACA AGACCACACT
81901 TCCCTTCAAC CAACGCTGCT TCACCCTTAT AAACCAAAAC ATAAAACCCA ATGAAAAAAG
81961 AAACTTAAAA AATAAATTTA GATTTTAGCA CTTCATTCGT AATAAAATTC TCTTTCCGAC
82021 ACCCTTCTAT GAAAAAAAAA AAAAAGAGGA ATCAGTATCT ACTGGATAAT TCCTCTGGTG
82081 ACTTTATTTA AAATTTTGCA GTGGCTTTCA AGGCCCTACA CTGATTCAAA ATTTATGGCT
82141 AAAGGAATTG CATGAAAACT TCTAGCAGCT TTCCATCATG TTTGTCAGAA GTTGAAACAT
82201 CTTTTTCCAT ATTTCATGAG AATACAAGAA CCAATTCCAT ACTTCAAAAA CAGTCAAATT
82261 ACTTATTGTG ATCAGAACTA AAACTATTCT AACTGAAAGT AAAGATTTTA CTATTTGGAC
82321 CAAACACCTA ACAAACAGTG ACTGCTTAGT TAAATGCTCG ACCTCAGTTG CATTAGATAC
82381 AGTAGGATGA AGTGGAGGCT CAGCTCAGCA CTTCCTGGGT GCTAAATGAT GTGTCAGGCA
82441 CTGCCAGAGA TCCCAGAGAT AGAAAACTGA ATAAGATTGA GAGGATTAAA GGTATAATGG
82501 GCAAGAGAGT TACGTAAAGA TATGACTTTG GCTTGGTATT GTTACCAGCT AAGTGAGAGG
82561 TCTGTATCTC ATAGGAGACA TTTACCTCAA ACTGGGACAT TCAAAGCAGG TTTCCTCAAG
82621 AAGATGACAC TTGAACTACG TCTTAAAAGA TGAGTGAAAA TTAGCCAGGT AGCAGGAGTT
82681 CCAGACATCC TGAACAAAGG AACAGCTGCC TAAATTGCTC ACATTGTGTG TATGTGTAGT
82741 GACACAAATA GACTGGGAAA ATGTGGGCTG TGGTGGGATG TGAAGCAGCA GAGTCAAATG
82801 GGAACCAGGT CAGAGGCCCC TGGTAAGCCC AATTAAGGAG TTAATAGTAA TAACAGAAGC
82861 TGATATTTAT TGAGCATTTA CTATGTTGCA GGCACCATGT TAAATACTTT AAAACAATAT
82921 TTTATTTAAT CCTCACCATA ACTCCATAAT CCTCATTTTA CAAATGAGAC CAGGGATGAC
82981 TAGTAGGTAA AGCAACTACA ACAGGCTACA CAGCCAGTAC ATGGCAAGTG GGTCTGGAAC
83041 CCAGGACGGC CTGATTCCAA AGTTTATACC CTACACTCTT CTACCACCAG CCTATCCTCA
83101 AAGAGAGCAC TAAATGAACG CATTGGGTCC ATCATGCTGG CTATGGAATG GAGAATGCAA
83161 TTAAAGGCTG CCCAACTGGG GCTCCGTGAC AAGGCAGGGA TAGGAAAGAG ACAACAAATT
83221 GATTCAAAAA TACATTCAAT GGGACCTAGA AGGAAACATT CAACATGCAC ATCCTCCTAG
83281 TGCATACAAC AACAAAAAAA AATGAGGCTT TTGAAAATGA GGTGTAGAAA ATAAAACACC
83341 AGTATTCCAT AATGCTTTCA AATATAAACA GTTAAAACAC GTATCCTTTT CTTTACTTAT
83401 AACATGCTCC CAGCTGTTAA ATTCAATGGC AAAGACCAGG TCTGTCTTAT TCATCTGAGA
83461 TGGTATCCCA GGTCTGAGCA TCCTGCCTGG CAAGAGATAC TCAATAAATA TGGTTGAAAA
83521 GGTAGAAGAA AAAATGCCCA GTTTTTGCAA TGATATCAGA GGTGCCTTAT TGATCCAGAG
83581 TTAAAAACTA ACCTTACTGA AAAAATTAAA AAGTCATGTT CATAACTGAG TAGAAAACAT
83641 GTAGTAGTTA TGTTGACTAC ATAGACAACA GTCATCATTA GGGAATGCTA CATTGAAAAG
83701 AAGGCAATGA GTTCAAAATG TGATTAGTAT TTTGTATAAA TCATAACTCA TTAAAAATAA
83761 GATGTTGAGT GGCCTAAAGG TGGAAATGTG TTTTTATGAG GCGGAAAAAA AGCACGAGTA
83821 GACTGAAGAT CAGATTTGGG GCCTAATGAT GTCTAGTCTC TTACCCTGAC AAAATAAGCA
83881 GGTTATTAAA GTGATGTGAA GAACCTGATC ACTATGACAC TTTTACAAAT TCTTTGTCCT
83941 CAATAAGAAT CTATCTACTT CCAGGAACCT GAAAAGTCAT ATTTTTCAGA CCTGAAGAGT

84001 TATTGTGCAC TTTACAGTTT TCCCCAAAAG AGTCATTTCT TAATTTTGAT CATTTAGGAA
84061 GAGTGAATCT ATTAAGTCAA AAACGAAGAA AAAAAAACTT TCTATTTCTT AGTGAAATTT
84121 GTTCTTTTAT TTAAATCCTT TGCATACTAC TAAACAGAAG TACAGAAGCT ACTAAACAGA
84181 AGACAGATTT TTGGGCCTTT TTAGGTGACG TAAAAGGAGC TTGTTGTTTA TTAAACAATC
84241 TCATTACCTG ATATATTATC TTGCATTAAG ATATTTTGAA AAAATGTTTT CAGTTTACCA
84301 ATTACGTTAG AGAAATTCTG AAACTATTTA CTTACATGAA AAATTAAAAT GTAAGTAGAA
84361 TTAGGTTTCT CGTCTTCAAT ATATCTGTCT TCAACCATTG GCCAACTTTG AAAATTTAAT
84421 TTGAATCAAA TGAATACAAA TTCAAAATGA TTCATTAATT CAACCATTTT GAAACTTCAG
84481 TTCTATAAAA ATATGAAATC TGTGGGCCTT GTAAAACTGT CTAAATACCC AAATAAAAAG
84541 CCACCACGTT TTTAAGCTAA TTGTTTAAAA GTGTGTATAT TGATGAAATG AAAGTGACTC
84601 GTGAACTATT GGGTCTGGAA TTTGCAAATC ATAAACCTTA TCCTTGTAAA CAGAACCTAA
84661 CTAACAACAT CAGGGCCTGC TAATTTCCTT CTTTTATAAT CTGGAACAAA AGTTGTAATG
84721 ATTTTTAACA TCCACAGAAA ATTAAGGGTG CCATTTTAAA TATTTATTAG CAAAATGTCA
84781 CTTAGGTTTT AAAAGTCTGG AGGAAAATGA GAGACAATTG AACATTCTGG TACTGCAATG
84841 CAGGAAAAAC GCCAAGAACG AAACACTAAG ATTTTATTAA AACCATAGGA CTCAAATGTG
84901 TGTCAAGACT TTTTGCTTGC AATAGTGCCT CTTCCTAATT TGATTAAAAG CTTCCATCTC
84961 CATGCCACCT TCAATGTATG CCATAATTTT TAAAAAGTTC CCAATCCACT TCAAACACTC
85021 TAAAATTTAC AACTGACCGT GATGCGCATT TTTTCTAGAC AAACCTAAAG GTAAATCTGC
85081 CCATGTCCCT GGATAAATAA AATGAGTGCC TCCGGGTGAT GTGGACTGTC AACTCCTCTA
85141 CATTTCATCC AAAGTCTACA TGGGTCATCT CCAAGTCACC AGAAGAGCCA GGGGAAAGGA
85201 GGGGAGGGGC ACGATACGTA AGATGTTAAA CATGAAGATG ATGTAAAATT ACCCAGATTC
85261 AAGCTGGCCA TTTTACAGAT GAGGAAACTA AGGCCCAGAA AAAGCTCTAT GACTTGCCCA
85321 AATACTCGGT TACCCAGACC ACAGCTGCAG ATACTGTTAT TTGGATCATA GCTGCAAAAA
85381 GTCTAACTTT TGGCCGGGCG CGGTGGCTCA CGCCTGTAAT CCCAGCACTT TGGGAGGCCA
85441 AGGTGGGCGG ATCACGAGGT CAAGAGATCG AGACCACCCT GGCCAATATG GTGAAACCCC
85501 GTCTCTACTA AAAATACAAA AATTAGCTGG GCGTGGTGGC ACGCGCCTGT AATCCCAGCT
85561 ACTCGGGAGG CTAAGGCAGG AGAATCGCTT GAACCCAGAG GCAAAGTTGC AGTGAGCCGA
85621 GATTGCGCCA CTGCACTCCA GCCTGGTGAC AGAGCGAGAC TCCGTCTCCA AAAAAAAAAA
85681 ATCTAACTTT TGAAGTCTCA GAGGTTTTAC ACTTTCCATA ACAAATAGTT AAGAACCCCC
85741 ATTCCTGCAT GCATATATAT ATTAATATTA TATATATTTA TATATATAAT TATATATATA
85801 TTTATATATA TATAATATAT ATATATATTT TTTTATTTTT ATTTTTTCCT TAAAAACCTT
85861 CAGAGACAGC GATCAGGTGG GTAGCCTAGT TAGGATTTTA ACCCTTCGGT TTCCAACAAA
85921 CGATAATTGC ATAGAACCAT CAACTCCCTG AAGACAGGAC TATCTTGTTC CAGGCAAAAT
85981 CTACAGCCTC TAGCACCCAG TAGGCATTCA GTGAGGGATT CTCGGTTTCA CCTGAGCATC
86041 TCCACTCCCT ATCCATCCAT GCCAAGGCGT CAGTGGAGCC AGCTAACTTT CTTTTGGAAA
86101 TCGATTATTT TCTTGAAACT TGTTTCCAAA AACTCCGGGC CAAGAAGCCG GCCTGAGGGA
86161 AAGCGTGGCC GTCTCCAGGA GCTAAGGACT GAGGAGCTGG CCTTTTGAAC GGGTGGCTCA
86221 GAAAGAGCTG GGTGGGCACG CGGCATCGCC ATGGGCGGAG TGGCCCAGGT GCGCTGGCTG
86281 CTTTGGCAGC TCAGGCTGCC GCTCCGGGCC GCTGCTCCCC GGCCGCCTTC AGATAACCAA
86341 CTTCTCAAAC TTCCCTTTCC GGGGGTGGGG GCTCGCCTCG AACGCGGCCA ACACAACGCC
86401 TTTCCTGCTC GCACAAAGGG GACCAAACGT GCCCCGCGCC CCTTGCAACT GAACTTTCCT
86461 TCTCTTTTTC AAGAAAAACT CACAATCCCT GCAGCTACGG GAGTCGGGCT GCGTGAGTGT
86521 CGCGGGGGAA ACTTTCCTCG TTTCCGCCCG GGGGCCGGGT TGCCGGGCCC GACTGTCAAG
86581 CGCAGCGGAG AGGCGGGGAC CCCAGGAAGA CCCCCGGCGC CCCGCCGAGC CCGGGCTGGG

86641 GACCACTCAC CCGACTTCTG AACGTGCGGT GGGATCGTGC TGGCGATACG CGTCCACAGG
86701 ACGATGTGCA GCGGCCACAG GCCCCTGAGC AGCCCCCGAC CCATGGCAGA CCCCGCTGCT
86761 CGTCATAGAC CGAGCCCCCA GCGCAGCGGA CGGCGCCTTC CCGGACCCCT GGCTGCGCCT
86821 CCGCGCCGCG CCCTCTCCGG ACCCCGCGCC GGGCCGGCAG CGCAGATGTG CGGGCCAGAT
86881 GTGGCGCCCG CTCGCCAGCC AGGAGGGGGC CTGGAGGCCG GCGAGGCGCG GGGAGGCCCC
86941 CGGCGGCCGA GGGAAGCTGC ACAGGAGTCC GGCTCCTGTC CCGAGCGGGT GCACGCGCGG
87001 GGGTGTCGTC GCTCCGTGCG CGCGAGTGAC TCACTCAACT TCAACTCAGC GCTGCGGGGG
87061 AAACAGGAAA CTCCTCGCCA ACAGCTGGGC AGGACCTCTC TCCGCCCGAG AGCCTTCTCC
87121 CTCTCCTCGA CGTCCAGCCC CTAGCTCTCT CGTAGCTGCC AATCATGTTT CCTAGACCAG
87181 CCCCTCCGAG AGCTTTGGCC GACTTTCAGC TGCCCCTCAC CGCCCTCCCA CACCACTCAG
87241 GAGTTCCTCG CTCCAAGTAT TTACTCAAGA ATGACTAAGT GCACACAGTT CACAAAGTAA
87301 CAACAGAAAA CGTCCACGTT TTCCCTAGTA GATCAGAACA TCTGCCGCCT CCCCTCAGCT
87361 TTCTTCAGAT TGCTCCTAGG TGCTTTAGAG ATGCGTTTTC AAATTGCAAG TTGAGATCCA
87421 GGAGTGAATA CTCCAATCTA TTGAGTCGCG AGCACATTTC TTTCCCAAAT AAAATAGTAA
87481 CGGTAAATTC TACTTCATTA AATTTGTGCT TCAGTTGTGT CTATATGCAT GTATGTATGT
87541 GCATACACTG TCAAGTTGTA AAATGTTTTT CTTTAGGTCG AAGTCTAGAG GTTTTTCTCA
87601 AGTTTTAATG TACATATTGA TCACCTGGAA ATCTTATTTA AAAATGCAGA TTCTAATTCA
87661 GTAGGTCTAG GAGGCAGGCA GAGATTCTGC ATTTCTAATG AGCACCTGGA TAGAGCGTCC
87721 CATTTTGCAC CGCCTCTTCC CGGGACTGAG TCAGTGAGTA ATTGTAAATG ATCACCTATC
87781 ACGAAGTGAT AGTGGTGGGA AATGTAATTT TCAGAATGTA TAGAGTATAG CAGAAACTGT
87841 AAAATTAAAA GTGGGTTGGG AGTCACCTGA ATGCTTGTGC TTTTATTCCC TTAATGCAGG
87901 TGAAGAAAGA GAATACTTAC CCTCTCATGT GCAAACGGGG TAACATGGGA GCAGAACAGC
87961 ATAAACTTTC AAATTTCCTT TCTTGCTAGG GCAACCAGAT TTGCCCAAGA CATTCCTGGT
88021 GTACATGTTT TGTAGTTTAA ATATTAATAG AACCCCCTTT CTCTTTCAGA TATGTCCTGA
88081 TTGGATAATA AACTATGTGA TCAACCTACT TCCCACTCTC AAAGATATGA TTCTGTACAG
88141 CCCTCTGGTC AGTAGATCTT CTAGCAATTC ATTTAATGAA TTCCTTTACC TGAGAGGAAG
88201 ATTGCAGAGG CAAGGGTTTG TGCCAGGGTC TCCAGGGAAT AAAGGTAAAT AGCCCTCCCC
88261 CAAACCCAAC TCCCAAATCT TTCCTGTCAT TCTAAGTGTT CATTTGCTTC ATCCTGGAAT
88321 TTTAACTCAT GCTCCACCTA GCACCCAAGC TGCCTCTGGA TGTTTTGCCA CTTCCCAGTA
88381 CTCATGTTGA AGATGCAGAA AGTGCAGTGA AATCAGGAGG GCTAGGCATC TTCTTTCCCA
88441 CCAATTAATT GCCTTGCCAA AGCTGGAGTG ACTTTGTCAA TGGAGGAAGA TTGAGTTCCA
88501 AATCTTCTCC CTATTCCCTC TTCTGCCACC AGCCCATGCC ACTGCCATGG CTTGTGTAGG
88561 AGTCTCCCAG GAGTCACCCT CAGCCACGGC CGTTCTGGGC TCTTTCACTC AGTTTCTCAA
88621 ACGAGAGCTG AATTCAGCTT TTCAAAATAC AAAACTAGTT ATACCAACCC TCTGATTAAA
88681 ATCATTTAAT GGCTTCCCAC TGCTCTTGAG ATAAAGAGAA GATAAAAACC AGATCCTTGA
88741 ACGTGTCTTC AAGCCTCCAA CTCTCCCGTA AACTTTCATT TGGCTTCTCC TTGCTTACTG
88801 AAAGCCTTCT CCAAATTTCG TGAATATGCC TCTGTAATCC TCCTACCCTT TATGCTTAGA
88861 GCCTTCCCCA GTGTGGACTT CCTTCCTCTG ACCTTTTTTT CTTCACCCAG CCAACTCCTG
88921 GTCTTCGTGG ATTGAATCAT AACTTCTTTG ATGGGCAAGC TTTCCCTCAC CTCCATGAGT
88981 AGATCTTGTA TTACACGTTC TCTTGGCACC ATAT

SEQ ID NO: 2

Homo sapiens transforming growth factor, beta receptor II (70/80kDa), antisense sequence

Derived from BC040499

```
   1 tttttttttt ttttttctag gaatgggaac aggaggcagg atgctcacct gagtattttg
  61 ctttattcaa tctaataaac attttattta tgtaaaagac aaacaatgca tagaataaaa
 121 ataagtgctt gagacttttg atataaaaag agtatatagc attcacattc ctattttaat
 181 acatgagtac agctgaagtg ttccataaaa gaataaaact ttccctttat gtatagtagt
 241 gaaaaaagtc agtattttta ggaactacag aatgttattc cttggtcttt tttcttgaat
 301 aagaaaaaaa aacataaaca aaacaagcca cagtatcctc tgacactaca ttccagttta
 361 tgctgataac ccagaagtga gaatactctt gaatcttgaa tatctcatga atggaccagt
 421 attctagaaa ctcaccacta gaggtcaatg ggcaacagct attgggatgg tatcagcatg
 481 ccctacggtg caagtggaat ttctaggcgc ctctatgcta ctgcagccac actgtcttta
 541 actctcagcc cacccacact gaggagggtg cctagaggtt ctatttccaa acctttgcat
 601 gtatcttaaa aatctcaata aaatgagacc ttccaccatc caaacagagc tgatattctc
 661 actaccagtc cctctctaat attcctattt ggctgaaaat aagtagcttc aaaaagtttt
 721 aaaaaagaga ttacttgcag cattaacact tctttgttga ttaacaagtt tcctatggag
 781 ttttaaagct catactttgt tcttgtcctt gtggacacaa attttctaac tgcaaatggg
 841 acctttgtgt cccacattca aatcctctct agtaatttct gcaaaggttg agaaggctgg
 901 catgatggag agaacggtaa ccatgaggaa agcttcttgg agtaaagcac tcctctctcc
 961 aatgcagagg gtaaaactat taacatataa gcaaaagaaa cttgggctaa ctgagaccct
1021 taaaggagtt ccccttttagt ccaataaaag gccaacttca aatcttaaca ccagataagg
1081 tagtcaaaat catattatat acccagagaa tgactgcttg aatggacatt tcttacaagg
1141 gaccttggtt aggtgcagat ttaattccta gactgggtcc aggtaggcag tggaaagagc
1201 taatgtttac agtgagaagt gaggcagctt tgtaagtgtc tccacacctt cacattttgt
1261 gaacgtggac tggagataac tgaaaaccat ctgctatcct tacctgggga tccagatttt
1321 cctgcaaaat ctccaaatat ttataaagtg gcttcacttt ttgaaacgct gtgctgacca
1381 aacaaaacat atgtttagag tgcctgaggt catagtcctg acaatgatag tattgtgtag
1441 ttgaaatcct cttcatcagg ccaaactgtg cttgagcaat caggagccca gaaagatgga
1501 acccattggt gtttgtatag aaaactagaa aatcaagtca agtgtaatga aaaagtaaac
1561 acgataaagc ctagagtgag aatttgctcc tttttagaaa aggatgaagg ctgggagcag
1621 agaatagtaa cataagtgca ggggaaagat gaaaaaaaga acaatttttc attagtagat
1681 ggtggggcaa tcgcatggat ggggacatct gttctgattt ttctgcaacc catgaaggta
1741 aaaagtgggg ttcaaaacat tcaaggtatt aaagatgggg tagagtttct aaactaggtt
1801 gagggagagt ttctaaacta gccccccaga tttggggctt ggagcttaaa tgaaaagtcc
1861 aggagaaata agggcacaca ggaaccccgg gaacactggt cctcaaacag tgccactgta
1921 cttagttcca tggccagaag agaagtgcta ggcagggaat gattattttg caaaagcaag
1981 tgcaatgtgg tcatagctgg ctgtgagaca tggagcctct ttcctcatgc aaagttcact
2041 gttttacagt cagagaacca ctgcatgtgt gattgtcaaa tgctaatgct gtcatgggtc
2101 ccttccttct ctgcttggtt ctggagttct ccaataaaac caatttcctg ggaatatttg
2161 atgtttttcc ttgtctcttt tcaaggtatg gctatatata tagagctata gacatatata
2221 gatatatata tatatatata aaacatagct attcatattt atatacaggc attaataaag
2281 tgcaaatgtt attggctatt gtaaaaatca atctcatttc ctgaggaagt gctaacacag
```

2341 cttatcctat gacaatgtca aaggcataga atgctctatg tcacccactc cctgctgctg
2401 ttgtttctgc ttatccccac agcttacagg gaggggagtg acccccttgg ttttccagga
2461 agcatcagtt caggggcagc ttcctgctgc ctctgttctt tggtgagagg gcagcctctt
2521 tggacatggc ccagcctgcc ccagaagagc tatttggtag tgtttaggga gccgtcttca
2581 ggaatcttct cctccgagca gctcctcccc gagagcctgt ccagatgctc cagctcactg
2641 aagcgttctg ccacacactg ggctgtgaga cgggcctctg ggtcgtggtc ccagcactca
2701 gtcaacgtct cacacaccat ctggatgccc tggtggttga gccagaagct gggaatttct
2761 ggtcgccctc gatctctcaa cacgttgtcc ttcatgcttt cgacacaggg gtgctcccgc
2821 accttggaac caaatggagg ctcataatct tttacttctc ccactgcatt acagcgagat
2881 gtcatttccc agagcaccag agccatggag tagacatcgg tctgcttgaa ggactcaaca
2941 ttctccaaat tcatcctgga ttctaggact tctggagcca tgtatcttgc agttcccacc
3001 tgcccactgt tagccaggtc atccacagac agagtagggt ccagacgcag ggaaagccca
3061 aagtcacaca ggcagcaggt taggtcgttc ttcacgagga tattggagct cttgaggtcc
3121 ctgtgcacga tgggcatctt gggcctccca catggagtgt gatcactgtg gaggtgagca
3181 atcccccggg cgagggagct gcccagcttg cgcaggtcct cccagctgat gacatgccgc
3241 gtcaggtact actgtaggtt gcccttggcg tggaaggcgg tgatcagcca gtattgtttc
3301 cccaactccg tcttccgctc ctcagccgtc aggaactgga gtatgttctc atgcttcaga
3361 ttgatgtctg agaagatgtc cttctctgtc ttccaagagg catactcctc atagggaaag
3421 atcttgactg ccactgtctc aaactgctct gaagtgttct gcttcagctt ggccttatag
3481 acctcagcaa agcgaccttt ccccaccagg gtgtccagct caatgggcag cagctctgtg
3541 ttgtggttga tgttgttggc acacgtggag ctgatgtcag agcggtcatc ttccaggatg
3601 atggcacagt gctcgctgaa ctccatgagc ttccgcgtct tgccggtttc ccaggttgaa
3661 ctcagcttct gctgccggtt aacgcggtag cagtagaaga tgatgatgac agatatggca
3721 actcccagtg gtggcaggag gctgatgcct gtcacttgaa atatgactag caacaagtca
3781 ggattgctgg tgttatattc ttctgagaag atgatgttgt cattgcactc atcagagcta
3841 caggaacaca tgaagaaagt ctcaccaggc ttttttttct ccttcataat gcactttgga
3901 gaagcagcat cttccagaat aaagtcatgg taggggagct tggggtcatg gcaaactgtc
3961 tctagtgtta tgttctcgtc attctttctc catacagcca cacagacttc ctgtggcttc
4021 tcacagatgg aggtgatgct gcagttgctc atgcaggatt tctggttgtc acaggtggaa
4081 aatctcacat cacaaaattt acacagttgt ggaaacttga ctgcaccgtt gttgtcagtg
4141 actatcatgt cgttattaac cgacttctga acgtgcggtg ggatcgtgct ggcgatacgc
4201 gtccacagga cgatgtgcag cggccacagg cccctgagca gcccccgacc catggcagac
4261 cccgctgctc gtcatagacc gagcccccag cgcagcggac ggcgccttcc cggacccctg
4321 gctgcgcctc cgcgccgcgc cctctccgga ccccgcgccg ggccggcagc gcagatgtgc
4381 gggccagatg tggcgcccgc tcgccagcca ggaggggcc tggaggccgg cgaggcgcgg
4441 ggaggccccc ggcggccgag ggaagctgca caggagtccg gctcctgtcc cgagcgggtg
4501 cacgcgcggg ggtgtcgtcg ctccgtgcgc gcgagtgact cactcaactt caactcagcg
4561 ctgcggggga aacaggaaac tcctcgccaa cagctgggca ggacctctct ccgcccgaga
4621 gccttctccc tctcca

SEQ ID NO: 3
CAGCCCCCGACCCATG
DNA

Artificial Sequence

SEQ ID NO: 4
GCTGATGCCTGTCACTTGAA
DNA
Artificial Sequence

SEQ ID NO: 5
GCCATGGAGTAGACATCGGT
DNA
Artificial Sequence

SEQ ID NO: 6
GCAACAGCTATTGGGATGGT
DNA
Artificial Sequence

SEQ ID NO: 7
GTGCAGGGGAAAGATGAAAA
DNA
Artificial Sequence

SEQ ID NO: 8
GTATCAGCATGCCCTACGGT
DNA
Artificial Sequence

SEQ ID NO: 9
GGATCCAGATTTTCCTGCAA
DNA
Artificial Sequence

SEQ ID NO: 10
GGAGAAGCAGCATCTTCCAG
DNA
Artificial Sequence

SEQ ID NO: 11
GAGCTCTTGAGGTCCCTGTG
DNA
Artificial Sequence

SEQ ID NO: 12
GAGACCTTCCACCATCCAAA
DNA
Artificial Sequence

SEQ ID NO: 13
TAGCTGGCTGTGAGACATGG
DNA
Artificial Sequence

SEQ ID NO: 14
TTTTGAAACGCTGTGCTGAC
DNA
Artificial Sequence

SEQ ID NO: 15
TCAGCCAGTATTGTTTCCCC
DNA
Artificial Sequence

SEQ ID NO: 16
TCACACAGGCAGCAGGTTAG
DNA
Artificial Sequence

SEQ ID NO: 17
TCAGGAATCTTCTCCTCCGA
DNA
Artificial Sequence

SEQ ID NO: 18

TGGTAGTGTTTAGGGAGCCG
DNA
Artificial Sequence

SEQ ID NO: 19
TATCCCCACAGCTTACAGGG
DNA
Artificial Sequence

SEQ ID NO: 20
AGCCTCTTTCCTCATGCAAA
DNA
Artificial Sequence

SEQ ID NO: 21
ATGTCATTTCCCAGAGCACC
DNA
Artificial Sequence

SEQ ID NO: 22
AGGAATCTTCTCCTCCGAGC
DNA
Artificial Sequence

SEQ ID NO: 23
AGCCATGGAGTAGACATCGG
DNA
Artificial Sequence

SEQ ID NO: 24
ATGCTACTGCAGCCACACTG
DNA
Artificial Sequence

SEQ ID NO: 25
CCTTCTCTGCTTGGTTCTGG
DNA
Artificial Sequence

SEQ ID NO: 26

CCAGGAGAAATAAGGGCACA
DNA
Artificial Sequence

SEQ ID NO: 27
CAGCAGCTCTGTGTTGTGGT
DNA
Artificial Sequence

SEQ ID NO: 28
CCCACTGTTAGCCAGGTCAT
DNA
Artificial Sequence

SEQ ID NO: 29
CAGCCCCCGACCCATGGCAGACCC
DNA
Artificial Sequence

SEQ ID NO: 30
CAGCCCCCGACCCATGGCAGACC
DNA
Artificial Sequence

SEQ ID NO: 31
CAGCCCCCGACCCATGGCAGAC
DNA
Artificial Sequence

SEQ ID NO: 32
CAGCCCCCGACCCATGGCAGA
DNA
Artificial Sequence

SEQ ID NO: 33
CAGCCCCCGACCCATGGCAG
DNA

Artificial Sequence

SEQ ID NO: 34
CAGCCCCCGACCCATGGCA
DNA
Artificial Sequence

SEQ ID NO: 35
CAGCCCCCGACCCATGGC
DNA
Artificial Sequence

SEQ ID NO: 36
CAGCCCCCGACCCATGG
DNA
Artificial Sequence

SEQ ID NO: 37
GCAGCCCCCGACCCATGGCAGACC
DNA
Artificial Sequence

SEQ ID NO: 38
GCAGCCCCCGACCCATGGCAGAC
DNA
Artificial Sequence

SEQ ID NO: 39
GCAGCCCCCGACCCATGGCAGA
DNA
Artificial Sequence

SEQ ID NO: 40
GCAGCCCCCGACCCATGGCAG
DNA
Artificial Sequence

SEQ ID NO: 41
GCAGCCCCCGACCCATGGCA
DNA
Artificial Sequence

SEQ ID NO: 42
GCAGCCCCCGACCCATGGC
DNA
Artificial Sequence

SEQ ID NO: 43
GCAGCCCCCGACCCATGG
DNA
Artificial Sequence

SEQ ID NO: 44
GCAGCCCCCGACCCATG
DNA
Artificial Sequence

SEQ ID NO: 45
AGCAGCCCCCGACCCATGGCAGAC
DNA
Artificial Sequence

SEQ ID NO: 46
AGCAGCCCCCGACCCATGGCAGA
DNA
Artificial Sequence

SEQ ID NO: 47
AGCAGCCCCCGACCCATGGCAG
DNA
Artificial Sequence

SEQ ID NO: 48

AGCAGCCCCCGACCCATGGCA
DNA
Artificial Sequence

SEQ ID NO: 49
AGCAGCCCCCGACCCATGGC
DNA
Artificial Sequence

SEQ ID NO: 50
AGCAGCCCCCGACCCATGG
DNA
Artificial Sequence

SEQ ID NO: 51
AGCAGCCCCCGACCCATG
DNA
Artificial Sequence

SEQ ID NO: 52
GAGCAGCCCCCGACCCATGGCAGA
DNA
Artificial Sequence

SEQ ID NO: 53
GAGCAGCCCCCGACCCATGGCAG
DNA
Artificial Sequence

SEQ ID NO: 54
GAGCAGCCCCCGACCCATGGCA
DNA
Artificial Sequence

SEQ ID NO: 55
GAGCAGCCCCCGACCCATGGC
DNA

Artificial Sequence

SEQ ID NO: 56
GAGCAGCCCCCGACCCATGG
DNA
Artificial Sequence

SEQ ID NO: 57
GAGCAGCCCCCGACCCATG
DNA
Artificial Sequence

SEQ ID NO: 58
TGAGCAGCCCCCGACCCATGGCAG
DNA
Artificial Sequence

SEQ ID NO: 59
TGAGCAGCCCCCGACCCATGGCA
DNA
Artificial Sequence

SEQ ID NO: 60
TGAGCAGCCCCCGACCCATGGC
DNA
Artificial Sequence

SEQ ID NO: 61
TGAGCAGCCCCCGACCCATGG
DNA
Artificial Sequence

SEQ ID NO: 62
TGAGCAGCCCCCGACCCATG
DNA
Artificial Sequence

SEQ ID NO: 63
CTGAGCAGCCCCCGACCCATGGCA
DNA
Artificial Sequence

SEQ ID NO: 64
CTGAGCAGCCCCCGACCCATGGC
DNA
Artificial Sequence

SEQ ID NO: 65
CTGAGCAGCCCCCGACCCATGG
DNA
Artificial Sequence

SEQ ID NO: 66
CTGAGCAGCCCCCGACCCATG
DNA
Artificial Sequence

SEQ ID NO: 67
CCTGAGCAGCCCCCGACCCATGGC
DNA
Artificial Sequence

SEQ ID NO: 68
CCTGAGCAGCCCCCGACCCATGG
DNA
Artificial Sequence

SEQ ID NO: 69
CCTGAGCAGCCCCCGACCCATG
DNA
Artificial Sequence

SEQ ID NO: 70

CCCTGAGCAGCCCCCGACCCATGG
DNA
Artificial Sequence

SEQ ID NO: 71
CCCTGAGCAGCCCCCGACCCATG
DNA
Artificial Sequence

SEQ ID NO: 72
CCCCTGAGCAGCCCCCGACCCATG
DNA
Artificial Sequence

SEQ ID NO: 73
ATGTGAAGATGGGCAAGACC

SEQ ID NO: 74
ATCTCCATGTGAAGATGGGC

SEQ ID NO: 75
AACGGCCTATCTCGAGGAAT

SEQ ID NO: 76
AACATCGTCGAGCAATTTCC

SEQ ID NO: 77
AATCCAACTCCTTTGCCCTT

SEQ ID NO: 78
AAACCTGAGCCAGAACCTGA

SEQ ID NO: 79
AGGGCGATCTAATGAAGGGT

SEQ ID NO: 80
AGTGCACAGAAAGGACCCAC

SEQ ID NO: 81
ACACTGGTCCAGCAATGACA

SEQ ID NO: 82
TTCCTGTTGACTGAGTTGCG

SEQ ID NO: 83
CACTCTGTGGTTTGGAGCAA

SEQ ID NO: 84
CAAGGCCAGGTGATGACTTT

SEQ ID NO: 85
CACACTGGTCCAGCAATGAC

SEQ ID NO: 86
CTGACACCAACCAGAGCTGA

SEQ ID NO: 87
CTCTGCCATCTGTTTGGGAT

SEQ ID NO: 88
TCAAAAAGGGATCCATGCTC

SEQ ID NO: 89
TGACACCAACCAGAGCTGAG

SEQ ID NO: 90
TGATGCCTTCCTGTTGACTG

SEQ ID NO: 91
TTCCTGTTGACTGAGTTGCG

SEQ ID NO: 92
TTCTCCAAATCGACCTTTGC

SEQ ID NO: 93
GGAGAGTTCAGGCAAAGCTG

SEQ ID NO: 94
LOCUS AY497473
DEFINITION Homo sapiens transforming growth factor, beta receptor I (activin A receptor type II-like kinase, 53kDa) (TGFBR1) gene

coding sequence in reverse complement

```
   1 TTACATTTTG ATGCCTTCCT GTTGACTGAG TTGCGATAAT GTTTTCTTAA TCCGCAATGC
  61 TGTAAGCCTA GCTGCTCCAT TGGCATACCA ACATTCTCTC ATAATTTTAG CCATTACTCT
 121 CAAGGCTTCA CAGCTCTGCC ATCTGTTTGG GATATTTGGC CTTAACTTCT GTTCACAAAC
 181 AACTTTTCTC ATTTCTTCAA CTGATGGGTC AGAAGGTACA AGATCATAAT AAGGCAGTTG
 241 GTAATCTTCA TGAATTCCAC CAATGGAACA TCGTCGAGCA ATTTCCCAGA ATACTAAGCC
 301 CATTGCATAG ATGTCAGCAC GTTTGAAGGA TTCAAAATGT TTCATATTTA TGGAATCATC
 361 GAGAACTTCA GGGGCCATGT ACCTTTTTGT TCCCACTCTG TGGTTTGGAG CAATATCAAT
 421 GGTATCTGTG GCTGAATCAT GTCTTACTGC CAGTCCTAAG TCTGCAATAC AGCAAGTTCC
 481 ATTCTTCTTT ACCAAGATAT TCTTTGATTT CAAATCTCTA TGAGCAATGG CTGGCTTTCC
 541 TTGGGTACCA ACAATCTCCA TGTGAAGATG GGCAAGACCG CTCGCCGTGG ACAGAGCAAG
 601 TTTTATCATT CCTTCCACAG TAACTGTGTA TCTGTTTAAG TAATCAAAAA GGGATCCATG
 661 CTCATGATAA TCTGACACCA ACCAGAGCTG AGTCCAAGTA CCATTGTCTT TATTGTCTGC
 721 TGCTATAAAT CCCAGGATGT TTTCATGACG TAACATTACA GTTTGATAAA TCTCTGCCTC
 781 ACGGAACCAC GAACGTTCTT CTCTAGAGGA GAATATCTTA ACAGCAACTT CTTCTCCCCG
 841 CCACTTTCCT CTCCAAACTT CTCCAAATCG ACCTTTGCCA ATGCTTTCTT GTAACACAAT
 901 AGTTCTCGCA ATTGTTCTCT GAACAAGCAA TGGTAAACCT GAGCCAGAAC CTGACGTTGT
 961 CATATCATAA ATTAAGTCTT TCAACGTAGT ACCCTCTGAA ATAAAAGGGC GATCTAATGA
1021 AGGGTCCTCT TCATTTGGCA CTCGATGGTG AATGACAGTG CGGTTGTGGC AGATATAGAC
1081 CATCAACATG AGTGAGATGC AGACGAAGCA CACTGGTCCA GCAATGACAG CTGCCAGTTC
1141 CACAGGACCA AGGCCAGGTG ATGACTTTAC AGTAGTTGGA AGTTCTATTT TATTGCAATG
1201 GTCCTGATTG CAGCAATATG TTGTAGTCAC AGACCCAGTT TTTGAAGAGG GTGCACATAC
1261 AAACGGCCTA TCTCGAGGAA TTAAGTCAAT TTCAGCTATA CACATGCTGT TGTGTATAAC
1321 TTTGTCTGTG GTCTCTGTGA CAGAGACAAA GCAGAGCCCA TCTGTCACAC AAGTAAAATT
1381 GTCTTTTGTA CAGAGGTGGC AGAAACACTG TAACGCCGTC GCCCCCGGGA GCAGCGCCGC
```

1441 CGCCGCCGCC GCCGCCGCCG CCAGCACGAG GAGGAGCAGC CGGGGACGCG GAGCAGCGAC
1501 CGCCGCCTCC AT

SEQ ID NO: 95
LOCUS AY497473
DEFINITION Homo sapiens transforming growth factor, beta receptor I (activin A receptor type II-like kinase, 53kDa) (TGFBR1) gene

mRNA in reverse complement

1 AAACACTATA GGTTTTAACA TAGAGACTTT CAGCAATTCT ACTCATTTCC ATTAGAAAGA
61 CACAGAAGTG GCACTTACTG GTATAGTACA ATCCCATTTT GAAGGCATGT AATGTTCTGA
121 ATAAGTGAAA GAACAATAAT AGTATACAAA ATACAATTGC ATGAATTATG TTCCTCACTA
181 CTATATGAGG TCATTTTTAG ACTCAAGATA AGAGTTTTAT AAGTGTTAGT TTTAAGATCC
241 TGAAAAACTA TAGAACAGTA CATTCAAAGT CTGAATCAAG GAAACTCTAG TGGTTCAGAA
301 TCCTCTGAGA ATGTACTAAC CAGGAGTAAA TCACTTTCTT TAGTAATAAG ACATGTTTCA
361 TTGTAATTCA GCAATCCAAC TCCTTTGCCC TTAAAGATGA TCTCCAGCAC AGCAGAGTTA
421 CCTAAAGTTA AGACCAGCAA TCATCTTTTT AAAAAACAAG TTTTGTTAAT AAAAAATAAA
481 GGTAGACTAC ACATTTTCTG TCCTGGGAAA GAAGCGTTCA TAGTGCACAG AAAGGACCCA
541 CATGGCTGTT TCCTGGGTCC AAAGAAATCC TGGGAAGTTT TTAATTGACT TTATTACACT
601 GCTGCAAAAG GAAGCAATAT CCTTCTGTTC CCTCTCAGTG AGGTAGAACA ATTGACCTCC
661 CAAATTAAAA CCCAGGAGCA GATCTGAAGA AAAAAGGAGA GTTCAGGCAA AGCTGTAGAA
721 TTACATTTTG ATGCCTTCCT GTTGACTGAG TTGCGATAAT GTTTTCTTAA TCCGCAATGC
781 TGTAAGCCTA GCTGCTCCAT TGGCATACCA ACATTCTCTC ATAATTTTAG CCATTACTCT
841 CAAGGCTTCA CAGCTCTGCC ATCTGTTTGG GATATTTGGC CTTAACTTCT GTTCACAAAC
901 AACTTTTCTC ATTTCTTCAA CTGATGGGTC AGAAGGTACA AGATCATAAT AAGGCAGTTG
961 GTAATCTTCA TGAATTCCAC CAATGGAACA TCGTCGAGCA ATTTCCCAGA ATACTAAGCC
1021 CATTGCATAG ATGTCAGCAC GTTTGAAGGA TTCAAAATGT TTCATATTTA TGGAATCATC
1081 GAGAACTTCA GGGGCCATGT ACCTTTTTGT TCCCACTCTG TGGTTTGGAG CAATATCAAT
1141 GGTATCTGTG GCTGAATCAT GTCTTACTGC CAGTCCTAAG TCTGCAATAC AGCAAGTTCC
1201 ATTCTTCTTT ACCAAGATAT TCTTTGATTT CAAATCTCTA TGAGCAATGG CTGGCTTTCC
1261 TTGGGTACCA ACAATCTCCA TGTGAAGATG GGCAAGACCG CTCGCCGTGG ACAGAGCAAG
1321 TTTTATCATT CCTTCCACAG TAACTGTGTA TCTGTTTAAG TAATCAAAAA GGGATCCATG
1381 CTCATGATAA TCTGACACCA ACCAGAGCTG AGTCCAAGTA CCATTGTCTT TATTGTCTGC
1441 TGCTATAAAT CCCAGGATGT TTTCATGACG TAACATTACA GTTTGATAAA TCTCTGCCTC
1501 ACGGAACCAC GAACGTTCTT CTCTAGAGGA GAATATCTTA ACAGCAACTT CTTCTCCCCG
1561 CCACTTTCCT CTCCAAACTT CTCCAAATCG ACCTTTGCCA ATGCTTTCTT GTAACACAAT
1621 AGTTCTCGCA ATTGTTCTCT GAACAAGCAA TGGTAAACCT GAGCCAGAAC CTGACGTTGT
1681 CATATCATAA ATTAAGTCTT TCAACGTAGT ACCCTCTGAA ATAAAAGGGC GATCTAATGA
1741 AGGGTCCTCT TCATTTGGCA CTCGATGGTG AATGACAGTG CGGTTGTGGC AGATATAGAC
1801 CATCAACATG AGTGAGATGC AGACGAAGCA CACTGGTCCA GCAATGACAG CTGCCAGTTC
1861 CACAGGACCA AGGCCAGGTG ATGACTTTAC AGTAGTTGGA AGTTCTATTT TATTGCAATG
1921 GTCCTGATTG CAGCAATATG TTGTAGTCAC AGACCCAGTT TTTGAAGAGG GTGCACATAC

```
1981 AAACGGCCTA TCTCGAGGAA TTAAGTCAAT TTCAGCTATA CACATGCTGT TGTGTATAAC
2041 TTTGTCTGTG GTCTCTGTGA CAGAGACAAA GCAGAGCCCA TCTGTCACAC AAGTAAAATT
2101 GTCTTTTGTA CAGAGGTGGC AGAAACACTG TAACGCCGTC GCCCCCGGGA GCAGCGCCGC
2161 CGCCGCCGCC GCCGCCGCCG CCAGCACGAG GAGGAGCAGC CGGGGACGCG GAGCAGCGAC
2221 CGCCGCCTCC ATGGTCCCGC CGCCACCGCC TGTGGCCCGG CCCGGCCCGG CCGCGCCGCT
2281 GCCTCACCCC AGCAAACCTC GCCTCGCC
```

SEQ ID NO: 96
LOCUS AY497473
DEFINITION Homo sapiens transforming growth factor, beta receptor I (activin A receptor type II-like kinase, 53kDa) (TGFBR1) gene

gene in reverse complement

```
   1 CCTAGGATGG GCAGTATAAA CAACTGTGTT TTTAAATGAC AAAATTATTA CTCTAATCAA
  61 ATTTATCTGC AGTTATCGAC AGTAATCATG ATCCATCCCA CCTTTTAAGT TTCTTTCATT
 121 TTCAATATCA GCCAATTGTG GTTTATCAAA CCATCCCTAG CCAAAAAAGG AATTAACTGC
 181 AGTAATACGT AAAGTCAATT TAGAACTAAA CTCCAACTTT AAAAAAATTC CCTGATTCAT
 241 CAAAAGTACA TTTTATCCAC TTAGGTAAGA AAAGTATAAT TGTAACTCAA TCTTTGATTC
 301 AATAAAAAAT ATCTTCAGCA AAAGTGGATA ACCTTACATG AAAGTGAGAA ATCATGTATT
 361 ACAACTTTAA ATCAGACAAC TTTTGGTATA TTCTTAAAAT TATATAAAAA TAGTTTTAGT
 421 GATAAAATGC ATTGGTCCCC TGGATTTCAT AAAGCAGATC TGGTAGGCTT AGAAATGGCC
 481 CAAAAACAAC AACAAAAAAA AAAAAACAAA AAAAAAACCC CCACAAAAAA AGTACCTGAT
 541 CACAGAATTA GAGATTATTA TTAAACAAGT AATACAACAC AACTATAAAA ACAAACCTCT
 601 CAAACTCATT CATTTGCTTC AATGAAATTA TGGTAACTAC AGAAAAAAAC TCAACTTTGT
 661 AGTCAAAATA GTAACCTCTA AGCATTTTTC CCATGATGTT TTTAAACACA TGAAATTGAC
 721 ACTAAATTCC TATGTAATAT GTCACTCATT CTAAAATTAC TTTGGTTTTA AGATCAAATA
 781 GTCTTTCAAA TTTATTCTAC GTATAAGAGA TAAGACATTA TCAGAATGCA ACTCATTCAG
 841 TGTAAATGGC CACTTTCTCT TCCTGACCAA AATACTGTAT GGGTTACTCT GACCCTGTAT
 901 CGGGGAACTG ATAGCACTAT AAAGTCGAAG TCTTGCCTCA GAGCTATGAT AGTTTTTTCT
 961 CCCCTCAGAA TAAGATCACA GTGATAAAAG GACTTCGAAA ACTGTAAAAG CCCTGCAGAG
1021 ACTTCATAGC ATTGGAAGTA AAAACCAGTT ATTATAAGCT AGTTTCAACT TAATGTAAGA
1081 AGACCATGAC AAGTTTGCTT TCAATATTTG ACCAAAGACA TCTGTAAATG GAGAAAAACC
1141 TATACTCAGA ATGTTCTTTA GCTACCACCT CTCCCAAGTA ACAAGGGTGC ACTGAATGCA
1201 TTACATAAAT TACATGTAAG CAGTTGCAAT GTACGCACAC ATAAGGAAAC ACTGAATTAA
1261 AAGCTGCCTT CCTCAAAGTG TAGTGAGACC TCAAAACCAC ACTAGCTCTA ACCTCAGTTA
1321 CAAAGACAGA GGATCCACCG AACGTTTACT CCTACATACA TAACAAATGT GACTTTCTTG
1381 CACATCTGTT ATCTATTCAA ATTATTAACT ACCTTCGCCT TCCTAGAAAA AGGCCTATTA
1441 TTTAATATTA ACCATATTCT AATTTTAAAT GTAATTCATG TCTTAAAAAA TAAGTCTTTG
1501 AACAGATAAA GAAAAAAATG GCTTACAGAA TACCACATAA CTTTTCACAA GCAGCTAGAC
1561 AGACTTTCCC TTTTAGAAAA ATTAGTCTGT ATGCTACAAA TATTAAAGTA CTATAAGCAT
1621 CTAGAGTGCC ACTTGATTTT TTAAAAGTAT ACTTAGACAA CACAATTAAA ATGCAAAAGC
1681 TTGATGTGAG AATATTCAAA CATGACCATG CTAATAATTT ACTAATTAAT GCCACTTCAT
```

1741 TTCTTTAGTG GCTTAAGCAC ATTTTGGTAG GAGAAAGGCA TTTTCAGAAT AGAATACCAA
1801 ATGACATACC ACAAAAACCC TTCCAAAAAC AAAACAGAAA AAGTTTGGGT TACCCAGATA
1861 AATAAGCTTT TTGAATTCAA ACACTATAGG TTTTAACATA GAGACTTTCA GCAATTCTAC
1921 TCATTTCCAT TAGAAAGACA CAGAAGTGGC ACTTACTGGT ATAGTACAAT CCCATTTTGA
1981 AGGCATGTAA TGTTCTGAAT AAGTGAAAGA ACAATAATAG TATACAAAAT ACAATTGCAT
2041 GAATTATGTT CCTCACTACT ATATGAGGTC ATTTTTAGAC TCAAGATAAG AGTTTTATAA
2101 GTGTTAGTTT TAAGATCCTG AAAAACTATA GAACAGTACA TTCAAAGTCT GAATCAAGGA
2161 AACTCTAGTG GTTCAGAATC CTCTGAGAAT GTACTAACCA GGAGTAAATC ACTTTCTTTA
2221 GTAATAAGAC ATGTTTCATT GTAATTCAGC AATCCAACTC CTTTGCCCTT AAAGATGATC
2281 TCCAGCACAG CAGAGTTACC TAAAGTTAAG ACCAGCAATC ATCTTTTTAA AAAACAAGTT
2341 TTGTTAATAA AAAATAAAGG TAGACTACAC ATTTTCTGTC CTGGGAAAGA AGCGTTCATA
2401 GTGCACAGAA AGGACCCACA TGGCTGTTTC CTGGGTCCAA AGAAATCCTG GGAAGTTTTT
2461 AATTGACTTT ATTACACTGC TGCAAAAGGA AGCAATATCC TTCTGTTCCC TCTCAGTGAG
2521 GTAGAACAAT TGACCTCCCA AATTAAAACC CAGGAGCAGA TCTGAAGAAA AAAGGAGAGT
2581 TCAGGCAAAG CTGTAGAATT ACATTTTGAT GCCTTCCTGT TGACTGAGTT GCGATAATGT
2641 TTTCTTAATC CGCAATGCTG TAAGCCTAGC TGCTCCATTG GCATACCAAC ATTCTCTCAT
2701 AATTTTAGCC ATTACTCTCA AGGCCTACAA GAAAATATAA AAAAAAAAAT TAATGCATGC
2761 ACCATTTTCC ATTGGTCTGG ATAAGAATTT TTACGTGTAA ATTTTCTTTT TAAATGACAT
2821 ATACACTTGT TATTGTTTAA GCATTATTTG TAATAGCAAA TGAGTAGAAA TTACATAAAT
2881 TTCCATCAAT AGGGTACTGG TGCCAGTGCT GGAAAGCAGG TGGACAAAGA GTGACTCATT
2941 TAGCAAACCT GAAAAGGCCG AATCCTAAAC CAGAGCTGGG CAAAGCAAAG AAGAAATCTG
3001 ACCTCACACT GAAATTTTAA GTTTGTACTT TGAAGTATTC ACATCAAATT TTTCTTTCTT
3061 TTTTTTTTTT TTGAGACAGG GTCTCACTCT GCCGCCCAAA GTGGAATGCA ATGGCATGCC
3121 CTCAGCTCAC TGCAGCCTTG ACCTCCCAGG CTCCAGCAAT CCTCCCACTT CAGCCTCCCA
3181 AGTAGATCAA ATTTCTAAAA GACAAAATCT AGCAGCACTC TCATTTATTA AACTATGTCA
3241 CATGCAAATT CCTTAAGCAT GCTGAAATAC ATTTTATTTA TTTGGGCCTG GAGATGTGAT
3301 TTTGTTGGAG GTAGCAAGCT CTCTTGCTTA TCAGAGGTTC TGCTGAGTCC TACAATAGTT
3361 TAAGACGTAA AATCAACTAC TGAACTGAAC AGCTTTTTAT AGCCTTTTTA AGCTACAAAT
3421 CTTCAAACCT GGAGGAATAT GCTCTGCTTC ACCAATATTG TAATAGTAAC AGCTAGCAAT
3481 TAAGGAGAGG TTAAATAAAA TTCATCTTAC GAATCTTTAA ATTTACAATT ACAAAAACGT
3541 TTCTAAAACT TTTTGTTAGA GCTGAAGTTG AGCAGCTCAG ATACTGCTGG AAAAAAGCAT
3601 TTTCCCTAAA TTCCTGGTTA ACGGTTATCT GGGCAATCAG ATGAATAAAA CGGAAAATCA
3661 TTTGAAACAC CTTTGTAATC ACCTTATCTG AGTTCCTCAC CTTGCAAAGG GATATTAAAG
3721 TCCAGAGAAC TAAAGGGATT TGTTCAGAGT CAGACCCTTG AAATGGTAGC CAGGCTGGTC
3781 TAGAATACAG GGCTCCTCAT TCATGTCCGG TAACTGTCTA GTGTTCTGGG TTGCCCCGGC
3841 TGAAGGGAGG CATTCATTTA AAAATATGTG CCTTAGTTCG CCCGGCAGAT CTAAACTATG
3901 TTCTGATACA CTAAAGGCCA CTGCAAATGT TCCATGGCCC TTTCAATGTG CTTACAATTG
3961 AATATGAAAA CCAAATTATT CTGTTTTTAA ACATTGGTTT GACTGCTATG AAAAAGAAAA
4021 TTCTTAAAGA AAAGTTTTCC TTAAAGAAAA GTAGCAAACT TTTGCTTACT AAGCAGAAGC
4081 AGTTTAGAAA ATTGCCTAAT ATCAAAAAGA AATACTCACT TCACAGCTCT GCCATCTGTT
4141 TGGGATATTT GGCCTTAACT TCTGTTCACA AACAACTTTT CTCATTTCTT CAACTGATGG
4201 GTCAGAAGGT ACAAGATCAT AATAAGGCAG TTGGTAATCT TCATGAATTC CTGTATCAGT
4261 TTAAAAAAAA TTAAATTTTG ATGAATTTAT TCAGCTAATG CCAAGGCATT AAAAGATCAC
4321 CTGAGAGACC TATTACAGTG TTTCATTACT AAAGTAGGTA TGTGGAACAG AGATTACAGC

4381 TTTCTCTATC TCATCCACAT CTGTATCCAC AAGCCACTTC CCTGAGTTGA TATTCCACCC
4441 ACACCTTGAA ACTAAGTATT GCCATGAGAT CAATAAAGCC TATTTGAAAT GACAGTAAAC
4501 TATGAGCTGT GATGACCAGA TTGACATTTT CCCCTAGAAC CCTATTGTGC AGCAAATGAG
4561 ATTCTATTCT GTAAGTGCAC AGGCTCTCAC TTGCACAGGG ATATATATAC CCTATCAGTG
4621 AGACTTGAAT CTTATGAGGC AAGTTTAAGG TGCCAAGTCC CTTTCTCTAC TTGCATCTGT
4681 CAATAATATA TCCTATTTAC TACAATACAG AGAAATACTC TGTCCCTCAC TGCTTCAAAA
4741 ACCTAAGGCA CTAGGTCTCA GCCAAGTCTA GGTCCCCAAG CCTAAGAGAC TGTTTCCTGA
4801 GTAAACATTA AAAGTACTCC ATCTAAAAAG CTAGAAGTTA AAACAAACTA ACTCTAGAAT
4861 ACAACACAAT GGTAACATAA TTGTATTCTG TGTATGTAAC TGTAACTATC AAGTTGGAGA
4921 AAATAACCAC AATCTCAAAG AAAAAAAATA AGTTTGACAC CCAGGTACAT GCTAGAAACA
4981 GCTTCCTAGG TGAGCCTCTC AAGCAGCTGT CCATTCTAAA GAACTATATT CCAATATAAC
5041 AAGGGGTTGG GTTCTGATGA GTCTCCAGAT TCAAATGGAA ACAGGAAGAG AATACACTAG
5101 GCTAGAGCTG TGCATGTGCA CACCATGGCA CTGTCCCCTC CCAAAGGTTT CATCGCCTTT
5161 GTTTTCTCTG GCACTCGGTG ACATCCTGTT TCAGATAATG GACTGTACAT AATTTCATTC
5221 AATTAAAAAA AGAAGACAAT TCTTGAACAA CTTCTGCTCA TGACAAACTA CTGGGGGAGA
5281 GGAGAGCAAT TTACCACCAA TGGAACATCG TCGAGCAATT TCCCAGAATA CTAAGCCCAT
5341 TGCATAGATG TCAGCACGTT TGAAGGATTC AAAATGTTTC ATATTTATGG AATCATCGAG
5401 AACTTCAGGG GCCATGTACC TAAAAAAAAT TTGCAAAAAG AACTTTGAAA ATCATCCCCT
5461 TACTGCCATA TTTGGATGAA CCTCCTTTCA GACATTTCTT TATACATAGA CATATGTACA
5521 CAATATTACA TAACAAATAT TAGACTCAAG AAAAATATTA AATATCCACA CTGGTTTGCA
5581 CATTAATGAT GTCAACTAAA TCCCACAAAA TGCTAAAATA GCAGTTTCAC ACTATCTGCC
5641 TCATGATCTT GGTTTCCAAT GAAAGACATA CATAACAATT GTGACTGTTA AAGGTGTCCT
5701 AATGTACACC ACCTATACAC GTACTAGGTA GAAACCATGC ATTTTAATTT AGAAGTCTTC
5761 TCACTGAGGA TGAAAGGAAG GGCACGAATA TACTCCAGGG AAAAAAATAA TAGATACAAA
5821 AGAATGCCAG TCCTCATACT GAAGCTTCAA AAACCTACCA AAATTATGGG TCAGGACCCA
5881 CAGAGACCTA CAGCAACCAC TGACAAGGAC CCCTTAGCTG GTTGAGAATT GAGAGTCATC
5941 TACGGCCATA CCACCCTAAA CACGCCCGAT CTCGTCTGAT CTTGGAAGCT AAGCAGGGTC
6001 GGGCCTGCTT AGTACTTGGA TGGGAAAATT GAGAGTCCCC AGGGAATCCA GAAATCTCAA
6061 AATTATACAT GCAATTTGAA TAGACTAATG CTGCTGGCTC TCCAGCTGTC TCCAAGGCCA
6121 AGACAGTAGT TTGAAAAAAT GCTGTGACAG CTTGTGATAA GGGGTTTGGG TCAGAAATGC
6181 CCAGGTTCAA ATCTCAGCTC TTCGGCTTAT CATCCACATG AAGCTGGCCA TATTATTTAA
6241 CCTCCTCAAG GTGGTTTCCT CATCTGTGAA TTAAAGGGTA ATAACACCTA CCTAATTAAG
6301 TTCTTTTGAA GACTCATGGA CTCAACAAAT ATCTACTGAG GATCTACCAT GTATTAGGCA
6361 CTGTGATGGA TGCTGGGAAT ACAAGGCTGC TCTCAAGCAG CTTGCACCTA ATAGAATATA
6421 TAGGCAAATA AATAAACAGT TACAACATAA CGCATAAGTG CCTCAACGGT CCCAGTTCAG
6481 TGTGCTATGA CAGTCCCTGG CAGGGACTCC TAAGATTTTT GAGGACTAGA AAAAACTTCC
6541 TACGGGAAAG GTGGGTATGA GGCTGAGAAA CAGTAGGGTA AAGTATGCTC CAGGAGACAG
6601 CATGTGCAAA AGTTCTAAGA AAGCAAGAAA GGCATATTTT TAGGAACTGA AATATGAAAA
6661 TAGCAGGGCT AGCTACTGCA CAGTATTTGA GAAGGGATTA AATGAGGTAA TATACGTAAA
6721 AGACCTATTA GACGATTGGC ACATAGTAGG TGCCCTATAA ACGTTAGTTA CTACTGTTAT
6781 TATAATTAAC ATGCCTAATG ATATTTTCTG GAAGGGCAAC CTTTCATCAG CAGGCATCTT
6841 TTTAAGTCAG GTAACTCTGG CTTCAGAGCA GGCAAGACCA TGAGATCTTC TTACCTGTTG
6901 GCAATCTAAT AAAGTGCAAG TTTAAGCTGA GTTTCAGCAA TGATATGTAT ATATGAAAGA
6961 GAAGGGAAAA AAGGTGATTT CAGAAGATAT TAAATATAGT TGTTCAAAAG TATACCTTTT

7021 TGTTCCCACT CTGTGGTTTG GAGCAATATC AATGGTATCT GTGGCTGAAT CATGTCTTAC
7081 TGCCAGTCCT AAGTCTGCAA TACAGCAAGT TCCATTCTTC TTTACCAAGA TATTCTTTGA
7141 TTTCAAATCT CTATGAGCAA TGGCTGGCTT TCCTAAAGAA TCAAAAATTA AACATGACTG
7201 CTTAAAAGGT AATACCAATC ACAACTCACA TCTTTAGGTT CAAAAGTCTC TTCTCCCAAC
7261 CCAAATTATC AAAGCATTTC AGCCCACATG ACCTACAATA CTTACGGGCA TTATTAAACT
7321 CAAGTGAATC ACTACACCAA AAGTCACTGA ATTTATATTT CTTTAAAGAA AATGTGGACA
7381 ATAACATGCT TTAAAAGATG AACAACTCAA AGACTGGGGC AAAAAAAAAG TTATCAGTTT
7441 ATCTGTTGGT GCCTTATGAA TTCTTTTTAA GAAACTTAGC CATAGACTGA TATTCCAGCA
7501 GCCCAGGAAC CAAGCATGTA GAACATCACT TCCCTATCAA CTGCAATGTA CTCAGTATTA
7561 AGTATATTAT CTTTGATGCT AACCACTAGA AAATGTTATT AAAAAATAAT AATTATAATG
7621 TGGAAAACCT GGAACCTTCA TACACTGCTG GCAGGAATGT AAAATGGTTC AGGCACTTTA
7681 AGAAAATAGT ATGGCAGTTC TTCAAACCAT TAAATAGAGT TATCATATGA TACAGTAATT
7741 CAACTCCTAG GTATATACCC AAGATAACTG AAAACATGAA ACTACATACA ACTTGTACAC
7801 AAATGTTCAC TGCAGCATTA GCTACAATGG CCAAAAGAAA CAAACCAAAT GTCCATCAAC
7861 GAACGGATAT ATGACATATG CCATATCCAT ACACTGAAGT ATTACTTAGC CATCAAAATG
7921 ACTGAAGTAC TCATACGTGC TACAACATAA ATGAACCTTG AAAACATGCT AAGTGAAAGA
7981 AGCCAGTCAC AAAAGACCAC ATATTGTATG ATTCATTTAT ATAAAATGTG CAGAATAAGC
8041 AAATCTACAG ACAAAAAGGA GCAGTTGTTG CCTAGGGCTA AGGAGTTTGG GAGGAAAGGG
8101 GAGTGACTGC TAGTGGCTAC AGGGTTTCTC TTTGGAGTGA AGATATTCTA AAATTGACTG
8161 TAGTGTTTGC TGGCTGTACA ACTCTTGAGT ATTCTAAAAA CCACTGAATT TTACACTTTA
8221 AGTGGGTGAA CTTTATGATG TGAATTATAA CTCAATAAAA CTGTTACAAT CAATAATAAT
8281 AATAACTACA AAGATGGAGC TAAGATGTGA ACTAGCACTT ATGCTGTATG TAAAGTGGGG
8341 AGTGGGGGAG CCATTGGGTT GCAAGTGGAC AACTGCTAGA GCAGAGAGAT ATACTGGCAT
8401 CTGAAATCCC ACATGCACAA AAACTACAGC ATACAAATGT CATAACTAAA ACTTAGTATT
8461 TAATTTTTCA ACTGTAAAAC TATCTCATGC AGTCTCCTTA TCTCAAGGTC AAATATAATT
8521 ATTAGATGGC CAGATAACAG TTACCTAGCA TGTTGATGTT TACAAAGCAC TTTCACATTT
8581 CATTTGATAC TACACATAAA AATATATTCA GTTGGACCTG AATTCTGAAA CTGAGATCCT
8641 CAAAAATCAT AAGATTGAAT GCTACTTTTA AGAACTCAAA AAAAATCACA GTTTTGTTAC
8701 AACGACTAGA GAATCTCTAA ACAAATTTCC AGATTCCTAG CTCTACCTGA AATTTTGAAC
8761 TGAAAGATAA AATGTTCTCA TCTAAAAAAT TTGTTTTAAA TATCTCCAGT TAGGCCACCT
8821 ACTGTTTTTG TTTTTGTTTT TTTTTCTGAG ACAGGGTCTC TCTCTATTAC TCAGCTGGGA
8881 GTGCAGTGGC ATGATGTCTG CTCACTGCAG CTTCGACCTC CCAGGCTCAG GTAATCCTCC
8941 TACCTCAGCC CCCTGAGTAG CTGGGACTAC AGGTGCATGC CACCATGCCC GACTAATTTT
9001 TTGTATGTTG GTAGAGATGC GGTTTTGTCA TGTTGCCCAG GCTGGCCATG AACTCCTGAG
9061 ATCGGGCGAT CTGCCCACCT CAGCCTCCCA AAGTGCTGGG ATTATAGGCA TGAGCCACCA
9121 GGCCCAGCCT CCACCTTCTA TTTTCATAGA CATTATTCAT GAAAATTTAA AGCTTAAATA
9181 ATAGAACTGC TTATAGAATT ACCTTGGGTA CCAACAATCT CCATGTGAAG ATGGGCAAGA
9241 CCGCTCGCCG TGGACAGAGC AAGTTTTATC ATTCCTTCCA CAGTAACTGT GTATCTGTTT
9301 AAGTAATCAA AAAGGGATCC ATGCTCATGA TAATCTGACA CCAACCAGAG CTGAGTCCAA
9361 GTACCATTGT CTGTAAAACA GAATTAACAT TTCGGTTGGG CTGCAGACCA TTTATGATTT
9421 ATTTGTTCAA TGGTTATTAC TTTTTACTCT CAATCCTGAG TCACACACTG CAATATAATG
9481 CCACCTTAAG TCTGTATTTC CTTCACATTT TCTTCTACAT TGTTTGTTTT ATACTTTTAT
9541 GTACACATCC TTTAGTTCCT CAGAGTAAGC CCCTCTTCTT GAGATAAGGC AAGTATAATT
9601 AATCCCATTT AAGAGACAAA GATGGTGACT TTTTTGAGTC TTCACAGATA ATTGGTATCA

9661 GAGCTGGCAC TCTTAAGTGC CTAGAAAAAT CTCTGGGTCG GGTTGGGTGC TCAGTGGCTG
9721 TTCCTGGAAG GAGAGAAGGT TAAAAAAAAG GAAGGAACAG AGAGGGAAGC AAGGAGGTGA
9781 GAAGTCTCCG GAGACCAGTG TGGCCACAGT GGGAATGGAA GAGTATGGGA CAAAACTGAA
9841 AGTGAGTTTC AACAAGAAAT GACAAGCTTT AGTGACAGAT TGTGTACACA GTTCACAAAG
9901 ACGCAAGACA AGATGATTAT GATTCCAAGG TTGCTAGCTT AGAAAAACAG AAATAGTGAT
9961 ACCTCTAACA CATGGGGAAG CTGAAATAGG AACTGAAATG TCAGGAGCAA AACTGGAAAA
10021 GCTGGGACTA AACTCAAACA ACGAGGAACG TGGGTTCCAA AATTTCCTCT GTAAGCCAAA
10081 ACACGAGTTT AAAACATGTT TTCTCATAGG AATAATGGTA AAGACACTAG CTAGGCTCCT
10141 AAGCTAGACT GGTCCACGAC AATCTAATTT AACCTAGAAG TAGCTGGAAA ACCACATGCT
10201 TAATTAAGCC ATGAAGAAAA AAAGCATTAC AACATTAGGA GACAGCACAA TCCAGTAAAA
10261 GATGGACGCT TAGAGTCATT CTAACCTGGT TGGAATCCAC GGCCTGCCTG TTACTGACAA
10321 GGAGCCTGTT TCTCCTTTTA TACAAGAATA AAGTCTTACT TTGTAAGACT GTTAAGATTT
10381 AAAAAACGGA ATGCTAGATT CTTTAGGTAA GAAGTACATA AACTGTGCTC TTTCTTTCCC
10441 TGCTGGTTGT AAACCAAAAG AAAAAATCCA TATTGACATG AAACAGCTTC TATTTTGAAG
10501 GTATTTGGTT GAAGAAGAAA ACCAACTCTG ATTAGAAGAG ATTAAGAAAG GAATAGAAAC
10561 TTTTCAGAAG ATTCTGGAGG AGATTTCTGG GTACATTTAA AAGGACTTAG TATTAATTTG
10621 TTCTTCATGA ACTTTATAAA CTGATTCTGA CCAAACTCGC ACCCTTGCTT TTCCTTGATA
10681 TAGGCACATC ACTAGCTTAT TTGCATGCCT CTTAACCATT ACTGAATTTT GAAAAGCTCA
10741 CAAATACAAG AAACAAAGTG GAAGACAGGC AGATGGAAGA AAGGGAAACC ACAGGTTATG
10801 GACAAGATAG AAGGAAGGTT ATATGTAAGG GGCCATAAAT ATAAAGGGCT GCCGGGGGTG
10861 GAATTAACTA AATCAGGAGA AGATAAAGGA ACTGAGGTGG AGGGGCTAGG CTCAGAGAAA
10921 GTACATTAAC CCCTGACAAA GAAGAAAGAA GGGGAGTAGG GAAGAGCCAG TAGGGTCAGC
10981 TAGTTCCCAT GGTGACCACC AGATGACAGC ATCAGCCTGG TTAGAAGTTC AGGGCACAGA
11041 CTCACCAACA TTTTGTGCTG CTGTGTTTGT AACTTGGAAT GTGACAAAAT CCAGACCCTG
11101 GGTGAGGTTT AAGCTTTCAA ATGGAGATTT GAGAGTTGCC AACATGGTAG AGTTTGAAAC
11161 CATGAATGTG GCTATGTTCT TAAGGAAGAA ATTACCACTT ATAAAATCAG TACCTTCATA
11221 TGAACCAGTG AGAAGAGTAA GAGTTGAGAA AACAAAGACA ACTATGAAGA AGTAAGAAGG
11281 AACAAGGAAA GTCTAGGGTC ATCAAACACA GTAAATAAAG AAAAGGTTGT TTTAAGAGTT
11341 GGGGGAGGAA ATAAATGGTG ATAAAGGCAG AAACGAAAAT GAGAACTAAG GATTTGGTCA
11401 GACTGATTAC TATTTTTTGT TTTGTTTTGT TTTGTTGTTG TTTTTTTTTT GAGACAGAGT
11461 CTCCCTGTGT CGCCCAGGCT GGAGTGCAGT GGTGCGATCT CAGCTCTGAC TGCAACCTCC
11521 ACCTCCCAGG TTCAAGCAAT TCTCTGCCTT AGCTTCCCAA GTAGCTGGGA TTATAGGCAC
11581 CTGCCATCAT GCCTGGCTAA TTTTTTTGTA TTTTTAGTAG AGATGGGGTT TCATCATCTT
11641 GGCCAGCCAG GCTGGTCTTG AACTCTTGAC CTCGTGATCC ACCCACCTTG GCTTCCCAAA
11701 GTGCTGGGAT TACAGGCGTG AGCCACTGTG CCCGGCCTGT TTTGTTTTTA ACTTAAGAGG
11761 TATTACATTG TCAGGTGCCA CTGATAATCG CTACCTACAT TCATCATATA CCTCACTGCC
11821 CCGTCTTAAT CAAACACTAT ACACCTCCAC ATATGATGCA ATAGGATGTA TATAATATCC
11881 TTAGTATGTA TTTTGAGAAA ACCAATAAAA CTCCAATTAG GTTTAGCTTC TAAATCTAAC
11941 TACCAGTTTT CAGAAAAGAT AGAAGAACAA GTTAAGAGAC ACTATGGAAA TGCAATCAGC
12001 AAAATCCAGA ATGTGATAGG CCCTTCAGGA TAAACAATCC AATTTCTTCA ACAAATAAGC
12061 TGCGAGAGGA GAAAAAAGAT GAAGGGGGGA CCTAAATTTT AAGACACATA AGAGAAATAT
12121 CAACTAAATA TAACTTGTGG ACTTAGAATC ATAATTTGAA TAAATAATTT TTTTAATAGG
12181 AGACAATTAT AGAATTGAAC CTAACTGGAT ATTTGATAAC ATTTAAAAAA CTGACAATGG
12241 TAGTGTGGTT GTTTCATAAA AACATTTCCT CATCATTTGA AGATACAAAT TACATTTTAT

12301 AAGTGTTTAC AGATGAAAAC ATATTGTCTG GGACCAGCTT CAAATAACAC AGTTAGGGCA
12361 GAGTAGGTGG GATCAGACAT CAATTATGAT TGGCAGTGAC CTGACAACTG TTGAAGCTGG
12421 ACGATGAGGG ATCACTGTAA CTACTCTGCT TTTCTACATA TTGGAAATTT TCTACAAATA
12481 AAAGTCAATA ACAAAAAAAA GCAGTACATG CTTGTAAATA AATTTGAAAA CCCAGAGAAG
12541 CTAAAAGAAA AATAATAAAA ATCACCCATA ATTACCAACT GAGGTTAAAC ACTGTTAATA
12601 TTTGAATAAA TAAATATTGC TGAAGTAAAT GGAAGGTGGG AGAAGGAAAA AGATGACTAC
12661 AGGTCTGGCC AAGCTAAGAG ATAATGACAG CATTTTTTTT TTTTTTTAAA TAGGAAAGCT
12721 GGGAAATACA TTTGATTCAG GGGTAGGGAT GACAAGAGTG GAGCTGAAAC ACAAGTCTCT
12781 GACAGAGGCA GTAAAAATAG GAATCGTGGG GGCTGGGCAC AGTGGCTCAT GCCTGTAATC
12841 CCAGCACTTT GGGAGGGTGA GGTGGGTGGA TCACGAGGTC AAGAGATGGA GGCCAACCTG
12901 GCCAACATGG TGAAACCCCA TCTCTACTAA AAATACAAAC ATTAGCTGGG CATGGTGGTG
12961 CACGCCTGTA GTCCCAGCTA CTCGAGAAGC TGAGGCAGGA GAACCACTTG AACCCAGGAG
13021 GCAGAAGCTG CAGTGAGCCG AGATTGCACC ACTGTACTCC AGCCTGGCTA CAGAGCGAGA
13081 TTCCATCTCA AAAAAAAAAA AAGTAGGAAT CATGGGCATA AAGGTATTAA CGGAAGCTAA
13141 GAAAGTGGCA GCAGCACAGT CTAAGGTCAC TGCTTGCAGT CCCCACTCAT TCTGACTCCC
13201 TGCTGACAGG CTTCCTTCCT TCTTCAGCAT CTGACCTGAC ACTGGGCCTC AGGCACCAGC
13261 ATGATAGGCA GAAAAGTGTC CGTACAGTTA CCAGGGTGGT TGAAGAAACA ATTTATCTCT
13321 TTGAGTTTGC CAGAAGATTC ATCTATTTAG CCCTTGGCAA CTCAGAACAC TGACAAGTTA
13381 TTTTTACTCT CCCCATTAAT AAGGTCAATA GTCCATATTG AAACATCCTA CTGGTCAGGA
13441 AGAGATTAAA AGGAAACAGC TATCTGAGCC CTATTCTCAA AATTTTGAGC AAGTTTATAT
13501 ATCTTTTCTA TATCATGAGT ACTCTCAATA ACTAACTGCC CTAAACTAAA CCAACAAAGT
13561 ACATGGCTTT TTAAAATAGC TCTTTTATAT TTTATAAAAC ATTAAGAGAT TTTAGGAATG
13621 CTATCAAGAG TCAAGAAAAT CTTGAAGAAG TTCCTAGTTC TAAAAGTTAC TAATATATTG
13681 TATTCGACTT AATGGGTCTA ATCTACATGA GAGACATCTA TGTCTCATCT ACTTTGATGA
13741 TGGTTAGTCA CCATATCTGT AAAGACTTAA AGAGATCTTG TTATATATAA CATAAGGAAA
13801 AGCAAATGTT ACAGACCTTT ATTGTCTGCT GCTATAAATC CCAGGATGTT TTCATGACGT
13861 AACATTACAG TTTGATAAAT CTCTGCCTCA CGGAACCACG AACGTTCTTC TCTAGAGGAG
13921 AATATCTTAA CAGCAACTTC TTCTCCCCGC CACTTTCCTC TCCAAACTTC TCCAAATCGA
13981 CCTTTGCCAA TGCTTTCTTG TAACACAATA GTTCTCGCAA TTGTTCTCTG AACAAGCAAT
14041 GGTAAACCTA AAGGTAAAAA TAAATAGTAC TCAACACAAT CAACAATATT ACATGTTTCA
14101 AACATCATGA TAGGCACTAA TGAGTGACCC AGAAAACTGA TACTTTAAGC TATCCCTTTA
14161 GGAATTTATC TCACTGGGGA GATATTATAT TTGCAATAAA ATAACTAATT AAAAAAGGAA
14221 AATAAGATAA TAAATATAAT AAAAGAATCC AGAAACTCCT GCTAGAGGGT CAAGGTAGGC
14281 TTTGTAAAAG TAAGTTGAAT TTTGACTATC CCTTAAGTAC GGTGGTTAGG CAGGAAGAAT
14341 GTGCAGGCAA AGGTAGAGGG AAATGAATGA CACATTTTTA GGGAAGCAGC TTGGGCAATC
14401 AGAGAGAGGA TATATGTGGC AAAGCAGTGA AAAGAGAAAG TAAGCTGTCA CCAGAAGATG
14461 AAGAGTACTG AATACCAAGC TCAAAATAAC CAATGAAGAG CTTTAGGTAA AAGAGGAACC
14521 TTTAAAGATT TCTGAGAAAA AGGGCCATGG CTGGAAGCAA GATAATTTTA AAATCTTATT
14581 TTAGAAAGAT GAATCTCGTA ACAGTTTCAC TGATGGGAGG AAAAAAGGAT GTGAACGCAG
14641 AAACACAGAA GTAAATTCTG GCTTTTTGAT AAGTCAGTAA AAATCACCAC AGAAACTATT
14701 TCAAGGAAAG CAATTTACTT GCTGACAACT GGCTACATAG ACAACACTAG TATCTTGAAG
14761 AACAAGGCTA AGTAACTTAC CTTGGTAATG GAGCACTGTT TTTCCACTAA TGGAACTTGG
14821 CTTTCTCCAA AATATGTATT TTTAAGTATT GCCATACTTA CTTCATTTAA AAGGGTTTAC
14881 TAACTTACCT GCAACATTTA AGTGGCACTA TATGTGAGAC CATCACTTAA TATCCTATCC

14941 ACCATCCGGT AAGTGTCATT TTAAATTACA TTGACACTAA CAAAGAAAAT GCCAGTGTAC
15001 ATCATGTTCC TCACTCATAT CTTATTTATA CAATCTATGT ACATATAAAT TGGTGTCATT
15061 TATAATCTAT ACTCAAAGCT GCTTACTAGA TCAAATTAAC CCAATGACAG TAAATGAAAT
15121 TATCTGCTCT CTTTGGTTCC CTGATGTGAA ATGCTTATAA ATCCAAACGT TAAATCTTTA
15181 AAGCGATCAG AAGCTCTTCT TCTTAAGTTT CTCAAACGGG TCCTTTCTTC CTCTTGCTCT
15241 ACCCTCCCCA CCTCCTGTAA AGTAGTTAGC AGTATAACTA TAAATAACTG TTTGTGTTTA
15301 TAAGGAGGCT GCTAGTTAGA AACAGATCTG TCAGAAATCC TTATTTAAAT CATAGAGCTC
15361 TTTCGCACTA TGTATAATCA ATTCTAATTA TGTTGTTTAG TGTAGATACT AATTTATTAC
15421 ATTTTATGAA AGCCTTGTAG AGGGCCACAC CACAGACTTA AAAGTACACT TAAGAGTTAA
15481 TTTCAGGAGA CTAATCTGGA AATTGCAAAG ACAAGTAATA AAAAAGAAAA AGGAATCACA
15541 AACACAAATT CTGAAAACAC CTGACAGGTT CAGGACTTGT GTAAATGGTA TGGTCAAGAA
15601 AGGCCAACAG GACGAGGAAA GGTTTTGTCT TCCCCTTTAT CACTGGATTC TAGATGTCAA
15661 TTAAAATTAA AAAGCAAATC TTGATCCACT GTATTATCTA TATTGGATTA CTTCACATGA
15721 ATAGTTGAGC ATTTTTAAAA AGTTAACAAT TGGCCAGGCA CAGTGACTCA CACCTCTAAT
15781 CCCAGCACTT TAGGAGGCCG ACGTGGTTGG ATCACTAGAG ATCAGGAGTT CAAGATCAGC
15841 CTGGCCAACA TGGTGAAACC TGGTCTCTAA TAAATATACA AAAATTAGCT GGGCATGGTG
15901 GTGCACACCT GTAATCCCAG CTACTCAGGA GGCTGAGGCA GGAGAATTGC TTGAACCCGG
15961 GAGGTGAAGG CTGCAGAGAG CTGAGATCCC ACCACTGCAC TCCAGCCTGG GCAACAGAGT
16021 GAAACTCCGT CTCCAAAAAA AAAAAAAAAA AAAGTAACAA TTTTCTTCTA AAGACAAAAC
16081 TGAATAGGCC TAATTTAGAT CTCTATATTC TCTGCTCTAC TCTTCTGTAC CTTTAGAACT
16141 GTTTGAGAGA AAACTTCAAA AGGGAAACAG GGACTCCACA GCTTTACATG CAGTGAACAG
16201 GAAATAAGAC CCGAACAACA TGCATATATT ACAAGAGCTC ATAAGCTGCA CACGCCATAA
16261 CAAACACTGG CCTAGAAGAC TCACTTACAA AAGCTGGCAC ATATGCACAT GTGCACACTC
16321 ACACACTTGG CGTACAGCTG CCAGAACCCA GCTCTTCATT GTATTCCCTG AAGTTCCCAA
16381 GTTAAAAGCA CAGTCTTTAG AGGTAGAGAC AGGGCCTTTC CTTAATTATG GTCACGGTAC
16441 TAAGTAATAA ACATATGAAT TCAGAATGTG AAATGCTTAT ACCTTTTCCT CAATTAATGA
16501 AAGAACTAAA AACAGAGTAT TACAAACACA CAGTTTACTT ATTCACAGGC ACTAGTCTCA
16561 TGCCTAAGGT GGCATTAAGG ATTTATAATG AATAGAAGGG AAACAGATGG CATTTTCTGC
16621 TATTATTCAC CAGAAGATGG CTTCTGCCTG GATAGGTTTG GAGGGAATTC AGTACACAAT
16681 GAACTATGAC AGGCAAAGGA GGCCTTAAAC TAAGTTTTGT ACAATGTGGT CAACTGATAC
16741 TGTATGTTAG ATTTTTCCTC CAAGTATGTT TTCAATAAGA GTAACACTTG TCATTTGGAC
16801 ATAACTCTAC AATTTACCAA GTGCTTTCAT GCAAACATTT TGTCTTGCTT GAACTCACAA
16861 CAATCCAATG ATGTGCACAG AATCCATCAC TTTCATTTTA AAGATGAAAT AACTCAAGCA
16921 TGAGACATTG GTTAACTGCC CAAAGCCACA GAGCTAGCAA GCAATGCAGA CAAGTTTTTG
16981 CAGGGTAAGG CATCAAAGGA GGGAGAGAAG CTTTCAGAGA ACAGAGAGCT ATGGTCCCTC
17041 ATGGATCTAG AAATATATAT ATATATATAT ATATATATAT ATATATATAT ATATATATAT
17101 ATAATGGAAA CAGAATTATT CCATTGTTTC TCATGTTTAT ATCTTAAAAG GTTAATGAAG
17161 ATATTCTTAT CCAGTAATCA ACTGCCACCC ACCCACCAAT TCCTTTAATC AGTTAGGTGG
17221 GCTTATTCCA CTGTGGCAAG TGGCATGAGT GCTGTGTCTT TCCGGAGTAT AAGTTTAGAA
17281 ACAAGAGAAC AGGTTTGAGG GATTAATTCC AAATATCTGT AGCCATCCTG ATTTTCTGTG
17341 ACTCTGGTCC TTGATTATCA CAGTTTTGAG CAGGATGACT TCCAGAATGA GCAAAATCTT
17401 TTTGAAGATC TGAACTGAGA ATAAATGGGA AGTCCCAGGA AAGCTCTAAA ATAACCTCTG
17461 TCCACCAGGC CTGCCTAAAG ACTATCACAC CTTCAGTACT AAGACTGCTT CATCTAAGTC
17521 CAAACTCTCA TTGTCTTCCT TGCACAACTG TTTCAGGAAT CCCTAAGCTT GCCTTCTGGG

17581 ACGTGAGCTC CAGTGCGAGC CTGTGTGTGT CCTAGTAGTC AAGGAGAGAG CTCTCTTATT
17641 GAATACATAT GGCCAAATTC TATAGAAGAA TAATTCAGGT AATAAAATCA GTTTCTTCAT
17701 TCTTAAATGA ATGGATATGC ATACATACCA ATATATATTC ATTTCCTTAA AATAAATAGA
17761 CATTTGTCAT TATATGAGCT TTCTGCAACA TTAGATGTGA TTTTATGCTT CAGAATTATA
17821 TTCTTACCCA GTCACAACTT CTGCTTTAAC ATTCCTTTAA TATCACTCAA TTATAAAATT
17881 AGTGAAAATT TTTTTTTTTT TTTTTTTTTA GATGGAGTCT GTTTCCCAGG CTGGAGTGCA
17941 GTGGTGCGAT CTCAGCTAAC TGCAACCTCC ACCCCCCAGG TTCAGGTGAT TCTCCTGTCT
18001 CGGCCTCCCG AGTAGCTGGG ACTACAGGCG CATGCCACTA CGCCCGGCTA ATTTTTTTGC
18061 ATTTTTAATA GAGATGGGCT TTCACCAAAA TTAGTGAAAT TTTCATTATA TACGCTTTAC
18121 AAATTTTCAC TTTATTCATG AATTTAGCCC TTATTTGAAG ATGACTCATA CTTTTCAAAG
18181 GATAGTACAT CTCATTTAAA AGTCTTAACA AACCACTTGA AGTGTTTTTA TCAACAGTAT
18241 GGGTTCCATA TTTTTGATGA GGAAACAGAA GCCCAAAGAG GAAACATGTT CTAACCAAGG
18301 TTATACAGCC AATCAATGAC AAAGCTTGCC TTGAAACCTA GATCTATTTA TTCTTCACCA
18361 AGTGTCAAAT TCTAAAAACA CAGGGGATAG GAGTGTTCCT CTCTTAATAT TTTTCCAAAC
18421 CACATACATG CAAGAAAAAG TAAAAGATAA CCCCCTTTCA GTTTAAACAT GAAGCACTGC
18481 TATGCCAAAA TCCACCTTGG GATGACTCTG ACAATTAGCT CATCTACTTC TGATGCCACA
18541 AATATCAACA AATAGAACTG AGAAAAGAAA ACGTCATTAG GGGCCAAAAC TACATTAAAT
18601 AAGAAGGTGG TTAGACATTT TTCTCAAGTG AGAAAATGAC ATAAGAGTTC ATTAGTTTAA
18661 TTTTAAAAAA CCAGGCCTAT ACGAAAGACA ATTTCATATA ATGTTTAAAA AGTAAATAAC
18721 CTTCACAATT CTGAATACAT TTCTGTCATG CCTGTTTTCA AATGTAAACA TCAAGCTGCT
18781 AAACAATCCT GAATAGAATG GGTTAGCTGC AGATCATGTG AATATCTTTG ACCTTCAGCT
18841 TCATCTATAT GAGAATAATT GTTCTTATCC TTTCTACCTC ACAGTGATGA AAAGCAAATT
18901 AGATTATACA AGTGAGAACG CTTTGAAATT TATACCACCA TGGAGCTGAC TTATTGATTC
18961 GCTTTAACAG TTAAAGTTAA GTTCCAATCT ATTTTAAACC AGCCACAGTC ATATATACAT
19021 CAAGCTTAAA GATTTTTATT AGGTTCAAAC CTGCAATATT ATTTATACTA TCTCACATTC
19081 TAGCAAGTTG GCTTATTAGA AAACTAATAA AATAAGTATC GCTTAATTTT AAAAAGATGT
19141 CTTAGGAAAA AGGAGAAACA ATTATGTTAC CTGAGCCAGA ACCTGACGTT GTCATATCAT
19201 AAATTAAGTC TTTCAACGTA GTACCCTCTG AAATAAAAGG GCGATCTAAT GAAGGGTCCT
19261 CTTCATTTGG CACTCGATGG TGAATGACAG TGCGGTTGTG GCAGATATAG ACCATCAACA
19321 TGAGTGAGAT GCAGACGAAG CACACTGGTC CAGCAATGAC AGCTGCCAGT TCCACAGGAC
19381 CAAGGCCAGG TGATGACTTT ACTGAAAAAG GGCCTCGAGT GAAATAAACA TCAACAACGA
19441 CAAAAACACT GTAGGTGGCA ACCCCCATTT TCCCAATCCT ACACAATTCC TGCAGCTGGC
19501 CACTGCCACC ACTTAGCCAA AGAGCCTCAT TACAGCAGTT TACAGGGCTC AAACCCAGAA
19561 CAAGTGAATC AGTCTTCTCC CACTAGGCCT CCTTTTATGC ACACCAGCTC TGTCAGCACC
19621 CACTTACTCC TGTATTCTTC AGCCATCATT ACAAGGCCAA CTGCCGCCAA TATCATAGGA
19681 CCTTCCCCAC TTATCACATC AGGTCACTAA TACCAATAAC CTGTAACAAT ACCTATTAAC
19741 ATCTCCTTAA AAATCATATT TTTTTTAATG TTTGGCTTGT CTTCTTGTTC CAAGGCCAGT
19801 ACATGCTCAT AGCAAGAAAA ACAACAACAA AAAAAACAAC AAAATATCAA AACAAGCGAA
19861 AAAAAAAACC ACATACATCT TCATCACTTC TAAACAACTC ACATTTCAGT ATATATCTCT
19921 CCACCAATTT TTTTTTTTTT TGAGATGGAT TTTCACTCTT GTTGCCCAGG CTGGAGTACA
19981 GTGGTATGAT GTTGGCTCAC TGCAACCTCC GCCTCCCGGG TTCAAGCGAT TCTCCTGCCT
20041 GAGCCTCCCA AGTAGCTGGG ATTACAGGCA TGTGCCACCA CACCTGGCTA ATTTTTGTAT
20101 CTTAATAGAG ACGGGGTTTC ACCATGTTGC TCAGGCTGGT CTCGAACCCC TAACCTCAAG
20161 TGATCCACCT ACCTTGGCTT CCCAAAGTGC TGGGATTACA GGCATGAGCC ATGCCCGGCC

20221 AATAGGTCCA CCAATTTTTT AAAGGCAGAA CATATCTTTT ACTTTTTTTT TTTAACAGAG
20281 TTTGCATATA TATACTTTTT ATACTATCTT AACCTCCTGG ACTTTTAAGT CCAGATCATT
20341 TTCTTGTAAC TTCTATTAAT AATTAAGATT TTCTGGTTGT TTCAGAAAAT TACAATTATT
20401 TTGACATTCA TCCTGAGTCT TACTGGTTTA CTGCTTACCA CCATTTCTTT CATATCACAT
20461 CTTTCCCATT CTTAAGATCT TCAGTAGATT AATCTCTTAT CATACAGAAT CCTATTTCTA
20521 GTAATTTCTT TCAGGAAGAG TCCATGCACC CTTGTACACT GAACTTAGTT GTGGCAAGAA
20581 GGCTGTTGCC TTTGTATATG AAAAATCTTG GCCTATTTCA AGAATTTTAG GTGATCGTAA
20641 AAATGTTCCA TTTGCCCTTT GATATTTAAG CAGAAAATCT GAACCTGTTT TTTTTTTTCA
20701 CCTTTTACAG GTAACCAATG TTTATGTGTG TTAAATGCTT ATATAATTCT TTTATTCTTG
20761 AAATTGATAC TTTTTATTAT ATGTGTTTGG ATTAATATTT TTTCATTAAT TTTGCCTGGT
20821 ATTCTGTCTT CTTTATGATT TCATGCCTTT TTCTGGAATT CTGATAATAA GCATATTGGA
20881 TCATCTAAAT CTGTTCCCTA TATCTCTTAA TATGCTCACC AACTGTCTTT TCTCTGAATT
20941 GTAACACAGT TTCTTAAAAC TTGTCCCAAA CTTGACTATA AAATTATGGC ATCCAGTCTG
21001 TTGTTCGCTC TCAATAGTGC ATTTTTAAAA ACATTCATCA GTTGGGCTTT TCTTCTGAAA
21061 GCAACCTTTA ACAACTGTGA AATGTTCTCA TTTCATAGTG AATAACTGAA AATAGACCCT
21121 GTACTGTTTG AAAGTTCTTC CCTATCATGT GGTAAACCTA TTTCACAGGA TGACATCTAA
21181 TCTATCTAGT TCAGACTACT TCTTTTGAAC TCCTAACTTT TCATTGGTAA TTTTTTGCTG
21241 TTTGCTTATC CTAGAGCTGG AAATGAGAAG TTTATATATG TTCATTAGAA ACATGAGAAA
21301 TAAGGTGACT TCTTCACAAG GTTTTGTAAA TATCTATTCA GATATTTCAA GCTCAAATGA
21361 TGGAAATGGG AAATTCTGGA ATTATCCTTT TCTTTGCCAC ATTATAACTG CAGATGCTTT
21421 CATCAAAGTC ACAAAGATAT TGTAGTCCGA CCAACCCTTA CCACAGGGGA GCTGCATTAT
21481 CATGCTGAAC AGGTGGAGGA CTGGCCTTTT CCTTCTGCGC TACAGCAGTG CTTCCTCCTT
21541 TAATTAGCAC AAGGCCTGGA CCAACTTTGA GTGGAGAGTG AGCAACTGTG TCTGCTCCTC
21601 TGAGCACTGA AGCCAGGTGC TTCCTAAAAG GGAACTGAGA GTTTGCCCCC ATACCCTAAC
21661 CTCACCCCCC AAATCCTTTG TCTAAGTTAT TGGCTGGACT TTTCGATGAC TAACCTTTCT
21721 TATATGGCTA GTCAATTCTT TACTAGTCTG GTGTCATCTG TACTGTAAAT TGCAGAAGTT
21781 CCTCACAAGT GCTGGCATGT GGGTGGCATT CTACCATTAA TCCCACTAGC ATTAATACAG
21841 GTTGCCCTCA TTTTTATATT CCTTTGGGAT CTGGGGAAAG AGGTAAGAGT TAAATACATG
21901 TGCTCAGACT TCCATATTAA ACCGGAATCT TAAAATTAAA AAGTTTATGA AGTCTTCAAA
21961 CTGCTGGTTC TGCCAGGAAA TTTTATTTAT TTATTTATTA TCTTTTTTTT TTAGACAGAG
22021 CCTCACTCTG TCACCCAGGC TGGAGTGCAG TGGCACAATC TTGGCTCACT GCAACCTCTG
22081 CCTCCCAGGT TCAAAGATTG TTGTGCCTCA GCCACCCAAG TAGGTGGGAT TACAAGCATG
22141 TGCCACCATG CCCAGCTAAT TTTTGTTATT TTAGTAGAGA TAGGGTTTTG CCATGTTGGC
22201 CAGGCTGGTC TTGAACTTCT GGCCTCAAGT GATCTGCCCA CCTCAGGCCT TCCAAAGTGC
22261 TGGGATTACA GGCATGAGCC ACCGCACCCA GCCCCAGGAA ATTTTAAATG TAAACTACAG
22321 GTGAAGGACC AAAAATCTAG AAATCATGTA TAATTAATTT ACGCAAAAAG ATCATAAAAC
22381 AAGCTGAAAT TACAAAATGA AAACATCTAG ACTGTTAAGT GCTGCTCTGA ATCCCCACTC
22441 ATTAAAAGAC TGTGATTGCT TTAAAAGATA GGAGCATTAT ACAAGGAAGA AGAAATTCAC
22501 TCTGAGAACA AAGTAGAGAC AATCTGAAGA TGTTGTTGTG GGCTTTGTCA GAGTTTGCTT
22561 TTATCTATCC TTTTAGGTAT AACAGACCTC AGAGGAAGTC CACCCTGGAA CCACCTTCTT
22621 AAACAACACA TACCCAGGAG GCAGGATCTT GGTTACTCTT ATAAGTCTGT AACAATGGAC
22681 AAGTCACTTC TTGCCTCTAA ACGGAATGAG CTGGATTAGA CAATTTTTAT GATCCCTTCC
22741 AGTTCTAAAA TCACAGAGTA TGAAGAGTTT TTCTTGTAGT ATCTAGGAAA AAAATTTTAT
22801 ACAACTTACC AGTAGTTGGA AGTTCTATTT TATTGCAATG GTCCTGATTG CAGCAATATG

22861 TTGTAGTCAC AGACCCAGTT TTTGAAGAGG GTGCACATAC AAACGGCCTA TCTCGAGGAA
22921 TTAAGTCAAT TTCAGCTATA CACATGCTGT TGTGTATAAC TTTGTCTGTG GTCTCTGTGA
22981 CAGAGACAAA GCAGAGCCCA TCTGTCACAC AAGTAAAATT GTCTTTTGTA CAGAGGTGGC
23041 AGAAACACTG TAACGCTGGA AAAAGAGAAA GATTCTTAGA AAAAATCTCA AGGTTAACAG
23101 TTTGAAATTA TCCAATATTC ACCTCTAATA ATACATTCTT GATCCTATTA TCACACAATT
23161 TCTATGCACT GTTTGTTGCT CTTAGAAGCA AAAAACAACT ATTTGTTGCT CTTAGAAGTT
23221 TCAAATTATA TTAAGAACCA CATACACGTG GAAGCCCAAG GAAATGTAGC AACATTTGGA
23281 CCCAGGTTTT TTCCTGAAGT TTTTTGCTTC CAAGTATAGA AAAATTTTGT TATGTTCAAT
23341 TTCATCAAAG CAAGGCAAGC ATTTGCCTTC CCATTAGAAA CAAAGTACAT TTAAATTTGT
23401 AATGGTTATA CTTTTTTTTT TTTTTTTTTT TTTTTACCAG GCCCAAACTA AACATTCACA
23461 TACTCCTCCT TTGAGAAGCA ATGTGTGAAA ACACTACCAC CCATTAAGTG TAGGCTAATG
23521 CCATTTCAGT GGCTTTCTGG ATAATGGAGT AACGGAAACA GATTTGTACT GAGCCAGACA
23581 CTCTCTATTC CCCTTGGTGC AAACCCTAAA AAAGACATGT ATATTCTGGC CAGGACTGGG
23641 GCATTCTCTT AGGGAAGCCA AGCAGACTAC ACCTGTAACA ATACATACAT GCTCCAACCA
23701 CATAGGCAAC CTAACTACAG AAATGACTGG CAGCAAAATA CTAGCTTCAT GCCCACTTGT
23761 ATCTACTTGA TCTTTATGGC TCAACCCCAG GAGTGACCTC TTTAGGGAAG CCTTCTAATT
23821 ATCACCAACA CCTTCTCATA CACACAGATA CACCTTCAAC CATGCTCTCT GATGAAGTTA
23881 AGTGCTCTCC AAAACACATA CTGCTTACCA GAATTGCTAG TTTTGTTTTT CTTTCTCCTA
23941 TGAAACTGTA AACTCCTTGA GGCCAGATAC CTGTATTAGT CATTTCTGTC AATCTGCCAT
24001 CTAACACCAT GCCTCATGCA CAGCAGCATT CAAAAAATAC TTGTTGAATC ACAATGATAG
24061 AATGTGTGCA TAATTTCACC ATGGTCACAT GAAATTGCAA AGCACAGACA TGTTCTTAAA
24121 TCCAAACATT CCAATTACTT GTTGGCAAAG GAATAAAAAG GAGTCTAGGT ACACGGAATG
24181 GCCATCTATG ACGTGAACAG CAAGGTCCAC TCTACCTAGA AAAGGAGTGG CTAGGCAGAC
24241 AGGGGCAGGA TAGACAGAGC TAACTCCCTG AAGAGCTAAC TTGCTGTACA AGAAAGGGTT
24301 AACTCAGCAG GACTGAGTTG CTCAAACCCT GCATATTCCC AAGAAAGACT TGTCTTCAAA
24361 ACTGGCCTTG GCTGGCTCCT GGTAGATGAG CTCTGAACCT TTGGAATATT CTCCCTGATA
24421 AGAATATTTC TGTATGCCTG AGGCCTTGGG TCACATGGTA CCAATTTTGT CAGACAGCTT
24481 ATTCTAACAA TGTGATTTAC AGTGAACACC TATTACTGCT GGGGGGCCGG GTAGGAGAAG
24541 TCTGAGGGGC TGAAGCCTGT CATGCAGATG CTGCAAGCCT AAGTGACTGA CCAACAGTAA
24601 AAACCCTGGA CACCAAGGCT CAAGCGAACT TCCCTGGTTG ACAACTTCGT GCATGCTGTC
24661 ACACATTGTT GTTGAGAGAA TTAAGGCCAT CTATGCTATG CCACTGGAAT GGGACACCTG
24721 GAAACCTGTG TCTGATTTCT CCTAGACTTC ACCCCGGGTG CCTTTTGCTT TTGCTGATGT
24781 TAACTGTATG GTTTTGCTGT AATACACTAT AACCATGACT GTAACAGCTT TTCTGAGTCC
24841 TGTGAGTCCT TCTAGCAAAC CAAGTCTGAG GATGGCCCTG CAGACTCCCA ACTCACTTGC
24901 TCAACTCAAA TTCAGGAATG TCAGGTTCTC CCTCAAGTAG CTGTTTCTTG GTTGCTGGCT
24961 TAATTCACAT ACTTGTCTAT TATCTTTACA GACCAGTAAA GTTTTACCTT AATCATTATT
25021 AAAAACGCTT TCTTTATTCA TAGACAGGTC AGCTATTTGC TTCCTAAGTA TGAAAGAAAC
25081 TCAAGGAAAT GACAAGAAAG AGACACAATC GTAATAAAGA CTGCTAAAAG AGACAGTAAT
25141 TATTCATGAC AAGGTGTGAT GGTGATGGCT GTCTGGGTAT GATTTCCTAA GGAGGAATTC
25201 TGAACCAGGA ATTCATGGAC TGGCTTCAGA GGTACATGAA TCCCATAAAA CTATAAGCCA
25261 AATGTTATAT GTATTTACAT TTTCAAGGAA AAGCTTTCCA AGTCAATCAC AATGGAGTCT
25321 GTGACCCACA AAGCATTAAA ACTACCACCG AAGGACATTG TCATAATTCT CTCCTAAATC
25381 CTCTTTACTC ATGATTAGTC ATTCAACCCA TGTTTTCTAA GCATTACTTT TATCAGTTAC
25441 TCTACCAAAA GCTTAGCACA CAAAGATTAA TAACTAATGG TCACAGCACT TGAAGAGCTC

25501 CAATGACAAG TGAAGGAGAA CACTGTAATA CAATGTGGTA ACCGCTATAC ATAAAAAATA
25561 TTGCCCTGAA TACTCTCCCA GTTCTCAGAT CACCATGGCT CCCCTATGCT GATGAGATAA
25621 GGGCTAAACA CCTAGCCTAA CAAGACTTTT AGTTTGGGGT TCCAATTTAC TTCTCACATG
25681 GCAAATGCTA TCTAGGGCCA CACACCTCTC ACCATTATAA TAATAATGTC TTTCATGACC
25741 TTGGTCTTTA CATATACCAT CTCTCTGTCT AGTTTAAACC TATCTTCTTA TCTGACTCAT
25801 CCTTTAAGAC CCTATTTCAA CAGGATCTTT GCCATTATGT GCTCTAAACC TCGCCCTTAC
25861 CTTCACAATA ATTGGTATCT CCTTTCAATA TGTTCCATAG TGCTCTTTGC ATACCTTTAG
25921 AACAGCACAA ATCAATCTAT TTATAGCTTG CTGTTAAAGG GTCTTTCATT GCCTCAGGAA
25981 GGGCCAAGCT TGTTTTGTTT TTCACATCTC TGAATCCTGG CTCCTTAGAT AGTGATCAGA
26041 AAAATATTTG CTAAAACAAT GTCTCCCAAA TATGCTGGGA GAAAAAAAGG ATGTATAAGT
26101 TGGGTACAAG GTTTGAGAAC ATATTTTCAC TTCAAAGATA ATCTAAAAAC AAGGATAAAC
26161 ATTCAAGATC ATGAGTAGCC ACTGTCTCAA CACTGGCACT AGGCTTTCAC TGCTGCTTCT
26221 TCAGCTGTGT GAAGATCCCC TTCAGGCCAA ATGTCCTTGT GGCACACTAC ACACAGCATA
26281 AGTTTCATGG TCATTGTAAA AGAAAGAGTA AAAAATAAAG GGAATTTGAA TCGACCATAT
26341 GGCAATACAG GCATGGCATG CATATTCAAA AGCCAATAGC CTAACAGCCA ATACCATATA
26401 TGTACTTTAT TATATGCAAG TGCTATATGG GTCCTACATG TGTAGTACAA TTTGCAAACA
26461 TTTGTTAGCA GTAAATATAA TTGTAGGTAT GCAATGTTTT TCCATTCTCA TTTCCAGCAA
26521 TAACTGGTTT AGAAAATCAT TTAATGAAGA TTTCAATAAT GTCAAGATAT TAACCTTATC
26581 TTCCAATGAA CAAAATGGAT GACATCTCAG TAAAACTTAT AAGCCTGTAT TTGAGGAATG
26641 CTTGCTGTCA AGTGTTTTGG TTAGGTATGA TGTCTCATCC TGAACTTACC AACAAGGCCT
26701 TGAAGTCATT AATGCCCTCC TGCATAACAT TACTGATGAG AAGAGGCACT ACTCACAGCT
26761 TTTATTATCA CTGAAGTTAA AATACAGAAA CACATTTAAA ATGGAATTAG ACCTAAAGCT
26821 ATTTTTTTCT ACTGCAAAAC CTAAACATCA TCTGTCACAT GGAATAATTG TATTCATTTG
26881 AATTTTGTTT TTTTTTGTAG TTGTCTTTGT ATTTAATTTG CAGATTTGGT TTATAGTGGT
26941 GTATGAGCCA AGAACATAAG GGTTTTATAT CTAGTTTCAT GTCTACAGAA TTTAAGTAAC
27001 ATTATGAAAA ATACACTCTG TACTTCTCCT TTCAAAGAGG TCATTACATT ACGGTAAATT
27061 TGAAAAAGTC AGTACTAAAG GGTTTTTCTT AACTACTCTT TCAATCAGAA GAGGTCACTA
27121 GACAAATAAA AACATCAAGA TAACACAAAG CTTAACTAGG TAAAGATTTC TCTCTTCAGG
27181 GAATTAAAAA ATTCCATTTC ACCACTTGAA GTCAGTCTTG ATTGACTACA AGACTGCTGT
27241 TATGTGATAC GGCAAGATCG TTTAGGGAAA AACTAAAATA AGAACTTAAT TTTTTCCATG
27301 AACATGAGTT TTAATTGCCA TTTTTTTAAA AAATTCAAAT TTATTTTATT AATAGATAGA
27361 TTTGGCCCCT GGATACTGCC CCCCCCAACC TTTTATTCAA CTAGGTTTTA AATTTTTAAA
27421 CGCATATACA TGGCAAAATT TCAATCTAAA AAACGTAAAC GAAGACACCT CCTTCCGCCA
27481 GCCCAAAGCC CAAGTTCTCC TCACTCTGCA ACACATCACC TTGACTCTTT CATTTAATTC
27541 TGCAATTATT CACTAAGCAT CTCTATATGC CAGGTACAGT GTGGGCTATG AGGTGCAGAG
27601 ATGAGTAAGA CAAGGTATTT GCACTTGAGT AGTTCACTAG GGTGGAAGGG AAAGGCATTA
27661 AACAGATAAT TAAAATCCTG AGTCCTGAGA AGAATGATCA AAGTGTTTCT ACTCTGCTGC
27721 GGTAGAAGAG ATTATCAAGA AAAGCTTCAC CAGCATTCAA GTCAGAACTT GGAGAATATG
27781 TACAATTTGT TAGATAGATA AGGGTGAGAA AGCTTTCCTG ACTGGGTTTT CTTTCTCAGT
27841 GGCAGGATTT CATCCTTAGT GGCTGGCATA CCAAGTAAGA TGATCAAATT TAAATTGTTC
27901 AAGATGCTAA CTACGATGTT TTATTTCATC AGGAAAATAA ACATAATACC TCTCTGACCT
27961 ATTTCATCAT CTGAGCTAAT CAAATGAGAT ACTGTACTTT ATTAACACAT TTGGAAACGA
28021 ACATAAATGA TTATATAAAC ACACAGAATT ATCCCATATG ATAAATGGCA TTGTGCCAAT
28081 GTGGTTTTTA TTCGTAGGCC ACCAAAGGTA AACTTCTTCC CAAAAGTAGT GACAAAATTC

28141 CACTGTAGAA TCCCAGACTA ACAGAACCAC ATGAAACTTT GAATATCATC TAGGCAATTC
28201 AGTTCTGTCA TTTTATTAAT GTAGAAACCA AAACTTAAGA AAAGCAAAAC AATTTTAAAA
28261 ATTTTAAAAA GAAAACCAAA AAACCAAAAT GATTTATACA AATATTCTAC CCAGATTACA
28321 GGCGGATGTG AATCCTCACT ATATTATCAC CAGCCCACGA GTGAAACCTA CGCAACTATT
28381 TGCTATACCA CTATCCCCAT GCTAAGTAAC CCTGAACTTT AAAGACTCCC AGGTGGACCT
28441 GATTTGGTTT AGACTCCTAC AGTTTTGACT CTTCTGCTTG ATAGCAAAAA TAAGAACCAA
28501 ATCCCCTGTT TAGGACCTTT CTACTACACT GTCCAACTTT GTTTCCATGC CCCAGTCTTT
28561 AACAGTGGGC ATAGCTTTCT TAATCTTGAG ATGCACATTT CTCTAAGCTT TACATTTCTA
28621 AAATCTGAAT ACAATTTACA ATCAAAGTAA AAAGAAAACT CCAGCCTCCA GACTGAAAGG
28681 TTAAGACATG ATGGGTTGTT GTAACCTATG TATGTGCAAA CTTGGCTATA CATAGAAAAG
28741 ATTACAAGTT GAGTATCCCT CATGCAAAAT GCTCAGGACC AGAAGTGTTT TGGATTTGGG
28801 ATTTTTTTCA GATTTTGGAA TATTTGCATA TACATAATGA GACATCTTGG GAATGGGACC
28861 CAAGTCTAAG TATAAAATTC ATTCATGTTT CATATATGCT TTATATATAT AGTCTGAAGG
28921 TAATTTAATA TAATATTTGA AATAATTTTG AGCATGAAAC AAAGGTCATG TTAAGTACTT
28981 ATGTGCAGAA TTTTCCACTT GTGGCATCAT GTTGGTGTGC TCAAAAGGTT TTGAATTTCA
29041 GATTGGGATG TTTGACTTGT ATTCACTTCA CCATCACTGT AATTATTTGT CTTGATAGCT
29101 CCCTTGCAAC TATAACTTAG GTTAAACAAG GATTTCAGTG TGATTCAGCA CTAAAAGGAA
29161 AAGCTACTGT GTACACAGAA AATTATATCA GAACCATGCC AGGAAATACA ATTACTAGCA
29221 GTGAAATTTC CAAATATTGC AGAATAAATC AGAATTTTCA AAGTTTGCAG ATGTTAGCAT
29281 GGTGACAGTT AGTACCAAAG GAAGTGACAT GAGGAAAAAG AGACAACAGG ACCCTTGGGG
29341 TTATTATTCA TGGTATTATA GTATCGGGGT AACAACTCTC GGGGTAACAT ATCCCAAGTT
29401 GAGATCTTGG CTCTTGGTCC CAATATAAAG GATTTCCTTG GTTGCCTCAT TTCAGTACGT
29461 CTCGAGGTCA CATATGGAAG CACTATTAAT TCTATCTAAT GCCAGGGCTA CCCAGGGTTA
29521 ATTCACAAGC CCATATGTCT TGCTAGAAAA GCTGAGAGGT AAACAGTTGT GTATAGTATT
29581 AATATATGGA ACAGATATTT CTATCACCCT TGTTAAAGAA ATAAAAATTA GCACCGAAAC
29641 CTTGTCTTCC CAGGCTTAGT GTGTCATCAT CTACACAACC TACCCGTAGT CTTTTTATGC
29701 ATACGCTTGA ATACTCTTTC CTTTTTCAAC CCTTGTTACT GGCCCTCTCC AGCCTTCTAT
29761 CACCCATCTT CCTCCAGTTC AGAGCTCAAC TGAAATCTCT CTTTGAAATT CACTAGCAAT
29821 GCCCTTCTGG TCAAATTCAA TATTCTTTTC AAAACGTTTC AGGATATGAG ACAGAGTACC
29881 ACCCTTTCTT TATTAGTTTT TATATGACAC TAAACTTCCC AAACTTACTT TGCACTTGGC
29941 CCTTTGGTAC ATCTCAGATG TACATCTCCA AGCCTCTTGG CCTTTTACCT GTGCTCCAAG
30001 CTTGTATTTT AACTACATCC AGGAAACACT CTGCTTGGCT TACTTATCTA TGCAAAGTCA
30061 AGCAGAGTGT TGTAATCCAG TTTTTTCATC ACTCTGACTT TGCTGGTGAT GACCCTTATT
30121 TTCCTCACCC TACCCACTAC AGCACAACTA TACTTTTCTT CGCAGTGAGA GTATTTCCAA
30181 ATATTACAAA CATGTACCAA CAGGCAAGTA AAAGACCTAA CATGCACAAT GTCCTTTATG
30241 CAGTTTGCTT CACTACAGCT GAAAGCAGAT CACATCACTG CTGGCAAAGG TGAAGGCAAA
30301 AGTTGGAAGT TATTTAAAAA AAACTTTCAG GGACTAATGT CAGCCCCTTT TATCATCCAA
30361 CCTATTCTTC TACCCCAGTT CTTCTGAGTA ATCTGCCTTA CCCCTTTTCT CCATTCTCAA
30421 CACATGCCCC CTTCTCAAGG AGACGTGTCC TCTTTTCTCC CTCATCCAGC TTTGGAGTAA
30481 AGCATACTAT ATAGATTCTC CTTTTCTTTT TATTAAATAT GTTGCTTATC TCTGTATACA
30541 TGGCTAAAAC CCTGACCTCC AATTCCCTCC AGCCTACTAT CCTAGGTTTT GTTCCTCAAA
30601 ATACTCAGTT CTTCTCAATT CAACCCTCCT GGGGCTACCT TGCAGCAGTA ATATCAAAGT
30661 AAGCTTGTCA AAATAGAGAA CACCATATAA TGTACATAAA ATTTTCCTCT AGTCCAGATA
30721 ATATTTCACC CCTGAATTTA GGGCATCAGA ATAAACGCCT GATTTTTTTC CAGATAAATT

30781 CCATTTACTT CTGCCACTTT TAAAGAATTT AAGATGCATT GTTTATCATT TAACCCACAT
30841 CACATCTTAA AAGAACAGGG CACTCCCAAA TTCACAAGCT CTTGTTTTTC CACATTATCT
30901 TCATTTTCCA GTCTCCTAGT TTCTATGGAA TTAGCCAATA TAATGTTAAC TGATATCAGA
30961 GAAAACACAC TAAGAATAGG CTGCCCAAAT GGCAAGATGG GATTTAACAG GGTAACTAAT
31021 ACAAAGGCTT TCACTTAGAT TCGAAATAAA TCACACAAGT ACAGCATAAA GATCTGGTTA
31081 GCAGATCTGA GGAGTTTAAC AACACATTTT AGAAGAGTCA GAGCCTTTAA AAAGTATCTT
31141 TTAATCCATC AATTCTACTA CTTACAGTTG TCTGAGGAAA CAATAGGTGA GAGCAAAAAT
31201 CTAAACTTGC AGATGTTCAT TACAGTATTT TATGATTGAA AACAACCTAT GTGAATGACA
31261 ATACAATGAC AGAATGAATC CTTATACAAT CATAAATGAA AGACTATATA GCCATTAAAA
31321 CTGGTATTTT AGAAGCATGT TTAAGGACAA GGGAATGGTC CTACTACTAA AGGGCAGGAA
31381 GTAAAGCTGT ATAGTGTGAT TACAATTACA GTCCTGTCAA GTGACCTTGT TTTTGTTCCA
31441 CTTCAATGAG TTGAGGGGAT ATTTTAATAT ACAGAGCAGA TGTGCACACT TTGCCTTACC
31501 CCAGGCCCTG AAAAGAAATG GAGAAACTTC TATGTCTAAA GGTGAGTGCT AAAACAATAA
31561 CCAAATTTCT TATTTCCTCT CAATCTAAGT ATGCTTTTAC ACAGTTTCTT ATTAGATTTT
31621 AATTTGACTA GTGGGTAGGT ATTATAAGGA TATGGTAGTT AAGTTGATGG AACTCAGAGA
31681 CAGAAAAACT TAAGTTAAAA TCCTATCTTT GCCAGTCAGG CACTGAGTAA TCCTGAGGAA
31741 GTCACTTAAC TTATTTGAAC CTAAATTTCT TCAACTTACT TCCTAAATTT ATAACATACT
31801 AACAAACAGT ACCAATCTCA GAAGGTTTGA GGGTTAATGA AATAACATAC ATAGAATACT
31861 TAGCACAGTG CCCAGCACAT AATAAAATGT TCAAAAATTA GTTTATGCAC TTTTTCAACA
31921 AGTATTTCTT TGGAGCTCCT ATTACGTGCC AGTCTCTGGT CTAGATGCTA GACAGAGAAT
31981 CAGAGCTAAT GTTGAGACAG CTCTGGTAGG CAATACTGAC ACAGAACACA ATATAAACCA
32041 TATGCATATA CAACAGTGAA TGTTCATGGT ACCTATCAGC TCTTTCTCCT TCATAAATAT
32101 TCATACAGTT TTTCAACAAT ATGACTGAAC AGACCTGGCT CAAGAACTTC ACTACAGTAG
32161 CAGTAGGCAC ACACAGAAAG TATATTTTCA GTTCCAACCC AAATTAACAG TGTAGGGACA
32221 CACCCAGTGT GTATATGTAA TATCCCTAAT AAATAAGTTA ATATCTAATT AGCCATAAAA
32281 TGTTCATGCT GGAAGGAATA TGAACAGAAA TATCAGATCC CAGCTCCTTT AGAGATGAAG
32341 AAACAGAAAT GTCCTAACAG TTACATCAAC ATAATCTAGA TTTATTCCAA AAGTACACAA
32401 AGAAAAAAAG GATTACTTGA TAATCTACAG TGATTTCCAC CCCTACTCCC CACAACCCCT
32461 CACGTAGGAC AAAACCGAAA ATTTCAACCT TTCCCTTTGG AAAGCACGAG TGGCTGTAGG
32521 AGAGACTGGC TTGGTTGCAC AGATAATAAG GTGTAATAAT GAACGTAAAT GAAAGTGGCT
32581 GATCATCCTG GGCTAGGGGA ATGACATACA AAACAGAACT GTGGTAGAGA AGGAACTGTG
32641 GTAAGAGAAG GAAGTGGTAA CCACTCCCAG CTGCCATTGA CTCGGGGCAG AGGAGAGCAA
32701 TACCTGGGCC AGCAAACAGC GAAAGATCTG TTGGAGCCAC AGTTGAAGAA ATGAACTGAT
32761 GGTCCTGGGC AGTTAGTAAT TTTAGAAGCA GAAAGCAAGG CCTGAACACC TTTTCTCAGA
32821 ACACAACAGT GAATGTAACC TGTGTAGGAA GAAAGAAAAA ACCTTTAGGA GGATAGAGAT
32881 AATTAGGATT GAGATTCCTG CCCTCAGATT CACAATGCAG AGAACACACC ACTGATAAAT
32941 GATGATGCAA AGTGCACAGA TCAGAGGACA GAAAAGGGAG ATTTCTCTGA AATATGACAC
33001 CTAAACTAAG ACTTAAGGAA AGCTAGTGAA GAAAGGAAAG TCATTTTAGG TAGAGGATAT
33061 ACAAAAACAT TGTACAAAAG ATGCCAAAAT AAAAGTTTGA GCCAGGTGTG GTGGCACGCA
33121 CCTGTAGTCC CAGCTATTTG GGAGGCTGGG GCACAAGGAT CACTTGAGCC CCAGGAGTTT
33181 GAGGCTGCAG TGAGCCATGA TCAGGCCACA GCACTCCATC CTGGGCAACA GAGTGAGATC
33241 CTGTCTCAAA AAAAAAAAAA AAAAAAAGAA AGAAAACAGT AAGGGAGTTT GGCAGTTTAG
33301 GTGATGTAAA CAAAAACAAA AAAACTGATA AAATTCAACA GCTATTCATG ATTTTTAAAA
33361 ATCTTAGTAA ACTGATAAAA TTCAACAGCT ATTCATGATA TTTAAAAATT TCAGTAAATT

33421 GCAGAATTTA AAAAAAATTC TGAAATAATC AGATTAAATA AAAGGCATAA AAGTAGGCAT
33481 TACATTTAAT GTTGCATGAC TGTCATTTTC CCTTGAAATC ACAAATAAGA AAGAGATATC
33541 CATCACTACT TCTCAACATT GTATTAGAAG TCTGAGTGTA GTAAGTCAGA AATAAACAAA
33601 AGGAAGATAG ACTGGAAAGA CACAGAACTA TCATTACTTG CAGAGGACAA CTATGTACAT
33661 GGAAAATCCA AAAGTGACCT ACAGATCAAC TATTAGAATC AATTAGTCAA TCTAGCAAGG
33721 TCACTAATAT AAGGTTACTC ACTATACCAA AAAAAATTAA ATTAAAAAAT CATTCTTAAA
33781 CCAGTAATAA ATAGAAAACG TTTTTTAAAA ATCTAAAAAC TAGGAATAAA CCTAACAAAA
33841 GACAGGTAAA GACCTCTGCA GAGAAAGCTT AAAAAATATT ACTTATTGAT AGAAATTACA
33901 AAGGAGATAA AATAAAATTT TAAAATGTAT TTATAAATGG AGAAAAGTGA CAAGTTCCTA
33961 ACTGGAAGAT TCAATACTGT AAAGAGGTCA ATATTCCATA AAGTGATCTG TAGATTCAAT
34021 AAAATCAAAT CAGAATCCCC ACAGGGTTTT TTTATTCAGT GGGAACTGAC AAGTTGATTC
34081 TGAAATTTAT ATGGAAAAAC AACATCGCAA GAATAACCAA AGCAATCTTT GAAAGACTTA
34141 ACACTACTCG ATATCAAGAC TCCTAACATC ATAATAATTA AGACAGTATG GTAATGGCAC
34201 AAGGACAAAT GGGCAAACAG AACAGAGATT ACAGAGAAAC AGACCCTCAC ATATACAACC
34261 TCTTGATTTA TGATGAAGGT GATTGTACAC TGGGGGAAAA AAGGTTTTAC CAATAAATGG
34321 TTCTGAGTCA ACCAGATATC CGTATTTTAA AAATAATAAA AATCTCATAC CATAATAAAT
34381 AACCAACTCC AGATACATCT CAATGTGAGA GGTAAAACCA ATCTTTTAAA TGAAAACACA
34441 GGAAAACATT TTTAAAACAT TTGGGTCAGA AAAAGTAAGC AAACAGGATT CTAACTTAAA
34501 GCAAAAAATT GAAGGCCGGG CACGGTGGCT CACGCTGTAA TCCCAATACT TTGGGAGGCC
34561 GAGGCAGGCA GATCACCTGA GGTCAGGAAT TCGACACCAG CCTGGCCAAC ACGGTGAAAC
34621 CCCATCTCTA CTAAAAATAC AAAAAAAAAA AAAAAAATAG CCAGGCGTGG TGGCAGATGC
34681 CTGTAATCCC AGCTACACGG GAGGCTGAGA CAGGAGAATC ACTTGAACCC AGGAGGCAGA
34741 GGTTGCAGTG AGCCAAGATC GCGCCACTGC ATTCCAGCCT GGGTGACAAC AGTGAGACTC
34801 CGTCTCATCT GAAACATTCA TCTCCCTTGT CAAACAAAAT ACCAAAGCAA AGCAGTTAAA
34861 TTGTGGTTGC AGTCTCCTAG AAGAACACAG CTGAATTGAA CCAAGCAAGG ACAGAAAAGC
34921 CCACCAAAAG GAAGGAGCTT TTGTATTATT TCTATATTTG CATTTTTATA ATATTTTTAA
34981 TCATTAAATT TTGGACTCCC TTGGAGCCTA AAGATATAAG CATCTAGTGT TGACTGAACT
35041 CCTTTCAGGG AAACATTTGC CCTTTGAGAC TAAACTATGT GTATATGAAA ACTTAGGCTT
35101 GAGATGTACT GTAACCAAGC TAATAAAGTT TTCAGACCTC AAAATCTACA TGCCGAGACT
35161 TGGCATTAGG AATATGGGTT TCCAATTGCT GGTAGCATTG ATACAGTAGC ATCATGGCTA
35221 CTGAAGAAAG TGGGGGGTTG GTTATTAAAA GATAAGGATC TATCAGGCTC AGAGGCATAA
35281 GGGTCTTGAT GTTATTTATA CCTTGGATAA CTGATGATAC AACACCGAAG ACTATCTTGC
35341 AGAATTATGA AATCTATATG TAAGTCAATA ATCACTAGTC TCTAGATAAT AGTTTAGAAT
35401 GGTTCACAGG TGATTATACT CATTTCTTCC ATAAGATTTT CCTTTTTCCC AGTTACAGAG
35461 ACTAAGCTAA ATCAGATGGA AGCACCCAAT TGCTTAGGGC AACTACGCTA TTTCCTCAGG
35521 GACACACCAT CTGTTTGCAA TGCACAGCTA ATTCTGAGCC TGTTGGTCCT CGCAGAGTTT
35581 TCCCTTAAGA CTTCTGCCTG ATGCCTAAAA TCCCTTAAAA CTCCTCCCTC CTTTCCCTTC
35641 TCCCATGGTA AGGCAAGAGC AGGCTGGATC TGACAAAACT TAAATGATAG ATGAGATCTA
35701 CATAAAATAC TTATGTGGCC TTTTTTTTTT TTTTTAAGAA TAAAGTGAAG AAACAATTAT
35761 GATCATGGGG AGAAAGAATG TGAGAGCAGA AAGGCTCAAG TTTATACATG CATCGAAATA
35821 AGAGGGAAGA AAACAAAAGG ACAATGCACC ATGGAAAGAA GGAAAGCAAA ATAATGGAAA
35881 GGGAGAAAAA AGGAGCATCT CTTCCTAGGA AAGTAATCTA CAATGCTGTG TTAATCTGCC
35941 AACGCTTTGG TGGGACTGGC AATCAGAAAT TGTCTTTCCT CACTGACAAA CATGACCAGA
36001 CTCTGGCCCC TGATTTGTAA TTTTTTTCCC AAATGTAAAA TGAGACAAAA TAACTAAAAC

36061 TACTTTAACT TGTTTATTTT GATAAAATAA TTATATATAA TTATTGTTGA AGGAAATCTA
36121 CAATACACAA TCTTGGGTGT TTTTATTTAA ATCTATCACA CATTGAATAA CAAAATTAAA
36181 ATGTCAGTTT TTCAACTGGA GAAAGTACTC AAATCAACAA CCACGTGCTG AACAAAGAGA
36241 CCCAATTAGA GCACATTATA GTTTGATTTG GAAATGAATA CATCAAGCAA AAAATAAAAA
36301 ACCCATACAT ATATCGTGTG CTTGCATACA AATGAAAGGG CAGTTGCTGC TTTTCTATCT
36361 CTGTATGTCT TTTCAAGTTT AACTCTATCC TCCATGTTCA GTGCTCCCAA ATATCTATAT
36421 TAGTCCTAGT TTCTCGCAGA AAAAGCCATT CGTTTTTGCC TTTTCCCTGG GGACCTATTT
36481 GTAATTCAAT GCATATTTAA GAATCTTATA ATGTAGAAAT GTAACAGGAT GCCTGAAGAA
36541 GGTGTCCTAG AACTATAAAT ATACACTATT ATGTAATCAG TGAGGTTTAC ACCTAGGAAA
36601 TCTAGATGGA ATGGTTTTCC TGAAGCAAAT GAACAAAAAT AAGGAGGTTC AGTCTTGGTG
36661 GTGAGAACAA GGAAACACTG GAACAGACCT GAAGTAGTAC AGCAACTGCA GAAAAAAGGA
36721 AAAGTGAATC CTTACAAATC ATGAGTGATA AACCCGAATT GTTCACTTTA TTTTTCAATG
36781 GCCCATGTAC AAAGACTTCT ATAAAAGCTT CTGCTCAAGA ACAGAGAGAA GCTTGTTTTT
36841 CCCAATGAAA TCAGAATGCT TCTAACCACA GAATGCCCTC ATGCTAATGT ACGTGCCTAT
36901 CTTTTCCATG AATACTGGGA TTACTGTGAG ACCAGTACAG TAGGGCCACA CTCTCAGATA
36961 AGTGTGGTCT CTCCTAAAGT AATCATTCCG AACGTCCATT ACTCAGAAAT GAAGCAGTTC
37021 TTCAAACAAG AAACCCAAGC AAAGACACTC TGGATCTTAC TGACTTGCAC CTGTTTGAAG
37081 GTAAATGTCT GGCTCTGCCT TTGGTAGCAG TACTCTGATG AAGTGTATCA AATGGAGACA
37141 CACCAAAAGA TAAGGGCATG AGAAAAATGT CTTTGTAAGC CAGACTAAAT AGTTTCATGT
37201 TGCTCTCTAT TCATTATCCT CCAGCTTTTA GCAAAGCTTG ATTTAAATGT CCTAGCCTTA
37261 CATCAGCTGT TCCATTGGCA TTAGGGAAAG ACTAATGTGT TCATACTTGG ATCAGAGACT
37321 TAAACTGGAG AAGAAAGATG GAGGCAGCAG CACTAAATTG AACCCTCAAT ACGTGTTAAA
37381 GGGGAAGCCT CAGAACAAGA ATCAGATTAT TGCCAGATCC AGCAATAACC CCTTACCACT
37441 TGGAGATTCT CCCTGTATGA CAATCTTGGC ATTTGGGGCT CCACTTTATT AAGGAAGGTG
37501 GCAGTCTCCT CATGAATTCT CGATAGGCAA TGAGATCTAT GCAAATTATC AGTCTTCCTT
37561 ACTTGCCTTG GTTACCAGAA AACTCAGAGC TAAGTATTGT GTTCAACTTC TAAAGCTTTC
37621 CTCAGCTAAA CTTACGGATA ATTGTTCTCT TTTTCTTTCC CTTTTTGACT TACTGATTCT
37681 TATCTTTTGT GGTCAGTAGA TTTGGTCTTA CTGAATTTGC TATTATTTCA AGCTTCCAAA
37741 ATCCTTTTTT GGAAAATGAC CAAAATAAAA GCCAATCAAT GGATAAACTA ACTTTTCTCG
37801 TATAATACAG GAGCAACAAG ATACTGCTCA TCTTGAAGCC ATGAATCCTA GGGATATTTA
37861 GACTATATTT GGCTAAAACC AGTAAGCAAG GAAGCTTGGA TTATGCCCAA AAGTACAGAA
37921 TTTTAGAGGA GAAACAGAGC TTAGAGATAA ACAAGTCCGA CCTCCTACCT AATGTAAGAA
37981 ATTCCTTCTA CAATTTCTCA GACAGAAGGT TATCTAGCCT CTGCCTGAAT AGTTCCAGGG
38041 TGACAGGGAA CATACTACCT TACAATGTTC CATTTTGACA GCTATGGTAG AGAGTCATTC
38101 CTTACATTGA GCTGAATTCT GCCTTTCAGT CTACCAATTA ATTCTAGTTC TTCATTACAC
38161 AGACATGTAT TTCTTCTTTC AGAAGACATT CTTTCACTTA TTTAAATATA TAATAATTCC
38221 CCTTTATTGA ACACCTACTG GTGTCAGGCT ATGTACTAAG TGTAAATACT ACTGTACACT
38281 ATCTTCACAA CGATCAGGTA AATTAGGAAC TATCCTCTTT TGAAAAGTGA GTCACAGATA
38341 CACTGATTAG ACTCTAATTA CAGCCAGATA TGTTGGTGCT TATATACTAC TCCTATAAAC
38401 AAATATTTCA TTAAATTTCT GACAACCAAG TCACATGAAT TTAATCTGCC TTCAAAACTG
38461 AAAGAAAAAC TTAAGTTAGA TCAATCCAAA TAGAAAAAGA GAGATGGTCT AGGGATACAA
38521 CTGCACCAGT GTTTGGTTCA TTGAGAAAAA CAACAGGAAA AGCATTTAAA AGGATAGCCA
38581 TCAGGGAGCT CCAGGAGATA GTAAAGCTGA CACCTGTAAC ATCAGCAACC ATGACCTGAG
38641 GCCTAGGCCG CAAGCAGGAA ACTTCCTCTC TTTTATCTCA GCCAAGAACC ACACTCCCAA

38701 AAGATCAAAC GCATTACTGC AGAGAAAGCA GCACTGTCTG AAGGTTAATT TCAATACAAC
38761 CAGAAGATCA CAAGTAATTC TGAATATATA CATCTTTACT AAGAGAGGTG GGGGAAAAAT
38821 AGCATGAACC TGCAAAACAG GAAAGAACCA TATCCCAGCA AACGGACCAG GACTCCAGAT
38881 ACAAGCTAGG ACTTCAGGGT CTAAATAAAA ACTCCATTTA AGGTAGCGTT TTAGGACACT
38941 AGAATCCTCC TACCCCCAAA AGAGAAAGAC AGAGAGAGAG AGAGAGAATA TGAGGTGAAT
39001 GCTAGATGCT AGTAGCCATT TCTTTGCTTA AGGTGCTCTC CCATTTCCAA CTAGGTTCCA
39061 TTTTTTTTTA ATCTTTGCTG ACTACTGAGC AATTTTATTT GGCTACCTTC ACCTCAAACT
39121 CAACATGCTT AAACCAGAAT TCGTCTCCCC TTAATCCTCG TGCCAAATTA CTCATTAAGT
39181 TAAAGGCATT ATCCAGCCTA AAAAAGCTTG GAGTCATTCT TTTTTCTTTC ATGGAGTCAC
39241 TCTGAATTTC TGTACTCCAC CTCTTTACAG CTAAGACCTA CTGCCACTCA ACAAATATTT
39301 ACTGAGTGCC TAGGATGCAC CAGGCACTTT CCATACACTT GAGATACATT AGTGAACAAA
39361 ACGAAGACAT CCACTTTCAC AAAGCATAGA ATGATAGGAA GGAGACAATA AACAGTAAAT
39421 AAGTACATAT GATAAGTAAA TAAATACAGT ATGTTAGAAG GTATTGTTAC AGAGAAGGAA
39481 AGCACTGTAG GATGATGACA ATATTTTAAA AGGTGGCAGG ATAAGCCTCA CTGAGAAAAA
39541 GGTGTCATCT GAGCAAAGAC TTGCAGGAGG TGAGGGAGGA AGCCATGCAG GTATGTGAGG
39601 GAAGAGCACA CAAGCAAGGG AACAGCCACA CACAGGCCCT ACTACTAATT CCTCTGATTT
39661 CTTTGTTTCA AATGTCATAC AGTCACCATT TCACCCCGTT CTCAATGCCA TCAAACCAAC
39721 TGGGTAGCCA CCCTGATCCA TTCCCTCTGC GGCACAATTA GACATTCTTT TTCCACATTA
39781 AAACCACTCT CCTGATTTTC AAGGCCCATA ATTCTCTGAG CCCACCCTTT ACACCATGAA
39841 CTTCCATTTC TCCTCTTAGA AATCCTGAAA CTTAGAATGC TCTTTCTCCA CACATGCCAT
39901 CCTCTCCAGC CAAGAAGTGC CTCCTTTCCA CCACACATCC ACTCAAAGCC CTATCCTCCT
39961 GCAAGGCAGA GAGATCAAGT CCTACCTCCT CTGTAAAGCA GTCCCTGTGG TTGCTAGTAC
40021 TGAGTCTGTA GTCATATTTC CTCAGCATCA ATTTTTTCAA AAGCAAGACT GCCTCTTACT
40081 TTTCCTATAT TTCTCATCAT GTTGATCACT ACTAAATATT TGCTAAGAAT AGATGAGCTA
40141 TTTCCTCTGT AAACTGAAGC TCTTTCCTCT GTAAACTGAA GCTGTTTGTC AATTTAAACA
40201 CTTTTATTAG CTTTCATAAA CTGCTGAAAT AGAATGATTA AAGAATGGTT TGTTGCTGTT
40261 TTTTTGTTTG TTTGTTTTTG TTGAGATGGA GTTTCACTCT GTCGCCCGGG CTGGAGTGCA
40321 GTGGCGCAAT CTCGGCTCAC TGCAAACTCC ACCTCCTGAG TTCAAGTGAT TCTCCTGCCT
40381 CAGCCTCCCA AGCAGCTGGG ATTACAGGTG CCTGCCACTA CGTCCAGCTA ATTTTTTGTT
40441 ATTTTTAGTA GAGACAGGGT TTCATCATGT TGGCCAGGCT GGTCTCGAAC TCCTGACCTC
40501 GTGATTCGCC CACTTCGGCC TCCCAAAGTG CTGGGATTAC AGGTGTGAGC TACTGTGCCC
40561 AGCCCAAGAA TGGTTTTTTA TACTCAAAAA AAAAAAAAAA AAAAAAAAAA AAAAAGCATG
40621 GGTGCAGGAT ATGCCAAATG TTAATAATGG CTGGTGATGG TTTTTTTCCT TTCTCTAATA
40681 CAAATTTTCA GTCCTGTGCT TATGTAACTT TTAGAAGAAA AGAATTTGCT ATGAATATAT
40741 GTATAAATCA ATACAAATAG TAAGTGATCA ACTATCACTG GACTCGTCAG GAAGATTCAA
40801 ATTACCTAAA AATATAATGT TAAAGAAAGA CTGTTAGTAT CTGAATGGCC TGCAGTTGCA
40861 AAGAAATAGT AAAACTGTAA TCAAGGCAAT CTGAAGCAAA TTCTCATGGT TTGCAAAAAA
40921 GGGAAAGGAA ACTTTCCTGC TGAAGTGGCT CTAACAATGT ATTTACTCTA TATGAAAGGA
40981 GCATGGACGT ACGTGACCCC ATCATAAGTA GAGGAGCATT TGTATAGGAA AAGAGTACAT
41041 ACCCTGGAGT GCTTAACTGA AGGCTCCACC TTTCATTAAC AGCATAACTT CAGTTTCCTG
41101 GTCTATAAAA TGGAAACAAA GAGGGTCTTC TTTCATAGAT ATGAACTAGG TTCCAATCTG
41161 AGCAAAATTG TGTCAATTCT GCCTGCCCAG GCAGATGGGG TTTATGGTAA TACAAAATCA
41221 TTTGAGTCTC AGTGGCTGAA CTACTGTTAG TCTACATCTG TGCCATTCAA AGCAGTGTCT
41281 TTCTTTTATA TATATATTTA CGATTAGACG ATGAAAAAAT ACTAACACCT TTGGATAATG

41341 TTTAGAGTTG AAAAGAATCT TGGGGTAGAG CCGATGTTAT CAAAACCTAC AGTTATCTTC
41401 TGAGCACTGG TCACCTGTAT CTGGGAACAA ATGGGCTTAA GAGTTTGGAA ATTAAGCAGC
41461 AAATAAGTAA GAAGTTTTGG TACTCTATAC AACTACCATT CAAGGTTGGT TATGAGAACT
41521 AAATGATGCC GTATTAGCCA TGGTCAAAGA AAAAAAAAGA GAGAAGAGAG AATTAAACGA
41581 GACAAGACAG ATAGAATATG TAGCATATTC TTGCAACCCT TCAAGAAATT TCAAAGCAAC
41641 CTGTGTGTAT ACTTTGCAAG TCAATTTTTT TTAAGTTAGA TTAGAAATTG TTCTTTGAGG
41701 GAGCAGCTTT ATAAAAGACT TGATCTGATC TATAAAATTG GACCATAAAA CCAACTGAAC
41761 TTAGTCCACT AGTATTTAAG AAAGTGATGT CTGAGATGAA TAATTACAAG TCTACCAACC
41821 AATTTTCTTC ATGATGAAGA AGGGTAGCCA TAAGAAACTT ACCTGGAAAG CAAACAAAAC
41881 ACATAAAATT GGATCTAATT CAGAGTGGTA AACAATTTTA ATGTTTATGG AGACTGCCTG
41941 GATTTGACAT TGAGAAAATT CAGCTAAGAA TGGCATTAAA TGTAATCCTA AGTATTGGAG
42001 TTAGGCTGGG TCAAAACTGA CCATAAATTC TGAGAAGACT CCAAAACTTT TCCTCAAGCT
42061 AGTTCTATGG GACAAAGCAT TAAAAAATCC CTGAGAAATA TGCCAGCATC TGCCCTCAAT
42121 TCCAAAAGCA GGAAGCAAAG ATGTGACCCA ATCACATGAT ATCAAACCAC AGTCCATCTG
42181 TTCAGAGAAC TCTGTGTTAC GTAAGCCATG ACCAAGGAAG AACTGCAAAA GGCAAGAGGT
42241 GTGTCGACAT TTGCAAGGGG CTCTGTGGTT TGAAGAGACA CGTTCTCACA TCAGAAGGGC
42301 CATCCATAGG ATAATGGCAT TTTCAAAATT CCATTTATTA CACATGAACA TATTTGGTGC
42361 AATAAAATGA CACTACAAGA ATGGTGTTGA GTCCCTGTAA CTGCTCAACT AAGGCCTAGA
42421 ACCTTTTGAC AGGGGTCTTC CCTACATGAG CGGCCCTCCT CACAGGAACA AGATTTATCT
42481 TCCTCTTGAT TATTTTTATG TCAATTCCTC TCTTAATTTC AACAACAAAG CGGATCATCT
42541 AATATTCTAA ACCAAAGCCT TCTAACTACA CCCCAATTCA ATTAACTGTA CTTACTCAAG
42601 ACCATCTTCC AAACTACTAT AGGCCTACTT TTCTCAATCA ATAAGTATAT ACCAGGTCCT
42661 TTTATCAGCA ATTAAAAAAA AATTGACCTT TTCCTTGAGA ACTTTAAGGC TTTAATCATT
42721 CCCCCTCCCT TCCACCTTTA GAATTCACTT TTCATAAATT CTGTGAAGTT CAAGGCCTAC
42781 TTCACTTAAG GAAGTCACTC ATCCCTTCGT GGATGCCAAC CACCTATCCC AACCCTGTCC
42841 CACTCCCACC TCCAAGTCCT TCACATTTTA AAGCACCATA TAGGGCACAA GATATGGAAT
42901 CAGAAAATCA AAGTTCCTGT CTCTGTTCTG CCCCTGTGCC ACCCTAAGAA ATTCACCTGA
42961 GTCGTTTTTT CATCTGTAAA TTGAAGTGAT AATATACTTA GGACTTCCAC CATTTGAATG
43021 CCTAGTCCTA CTGGGCATCC CATAATGTTA TTCTCCCTCA CTCATTCCAC TTTGATTACT
43081 TTTATGTTTT GTTTCCAGCT ATGTACTATA GCTTTTAGGA TTGGGGAAAA AATGATAGAG
43141 GTTAATACAT CCAAATTCCA CAGTACAGAA TAAGGAACCT AACTCTGAAG AGTAACTTGC
43201 CAGTCAGTCA GTAAAAGCCT TGTTTCCTCC CTTGGAGTAG GCCCCAGGAC AGTTGGGGAC
43261 ACAACTTCAA AAGAACTTTC ACACTCATCA AATCCCCCTC TGAATTCTAC CCACCCTTCA
43321 AAGTCAGTGT AAGTCCTAAA GTGTCCAAGA AGCCTCCCCC AATCATTCCA GCTTACACTA
43381 ATCATTTCCC TTTTTGAATA CTAATGCCTC CCTATAGAAA TGATATTAAA AATATTTAAC
43441 AACTGGCACT ACAAGGGTAC CAACCAATCA GAAAGGATGT TTAACCAAAA CACACATGGC
43501 CCAGTGGGAA CTGCTTATTG AACATCAGTC CTGCTCTTTA GCAACAACAC AGAATAGCAA
43561 CCTCAAACTC AAATACCACT TTCTCATGTG ATCTTCACAA TCTCATGAAT TAGGCAAAAG
43621 TAGGTATTGC CCCATTTTCT GCATAACTGC TGGTGAAGGT AGGACAAATA ACCAATTGCT
43681 TTCAACACGC CATACAACTT TTCCTGATTA TTTATACGGA ATTACAAGTT AATATTGCAT
43741 AAACTGGACT TACATAAAAC AGTATAAATA TTAAAGGAAT GCTCAAATAG AAATCAACAA
43801 GCATTTATGT GGAATAGAAT ATAAAACACA GTGCTAAGTT CTGAGGCCAC AAAAGAAAGA
43861 AATGGCATGA ATCTTGTCCT CTGGGTACCT ATAACGCATT CAAGTAGAGT TAAGTAGCAG
43921 CACAGGCAGT AGAAATGGAC AACACAAACT GTTAAGTGTT GCAGAGTTCT GGAAGACAAA

43981 GAATTCAAGA ACTAAACCAG CACAGGAAGT CAGGGCTGAG AACTTCTCGC ACTCCCAAAA
44041 AAAGGGGCAA AACTAAATGT GTAGTGAAAA GGCTGAACAG TCAGGAGTCA GTGAGAAAGA
44101 GAAATTGCTC GAAGGTCTGC AGTAATGAGA AATGAGATCC CTGGTAGGAT ACTCAGAGAT
44161 GGCCCCAATC ATAAGCTGCT AAGTGTTGTT CTAAGTGCTG AATACAAATG GGAAATCTTA
44221 TAAACCTTCA CGGGGAAGGC TGAGGAAGAT TAGTTTGGCA GTAGCCATAG AAAAGCCTAG
44281 ATGAGAAAAA CATGGGAAAG CAACTAGATT TGGAGGATAA CAGGCAGGAT TAAGCTGAAG
44341 GCTGCATACC AAGAAAGGAG GAGACATTCA AGAGGCATTC ATAGAAGAGT TGGATTGGGG
44401 GCACGTTTTC AAAGAAAAAA AGTTATGAAA TGGCAGAAAG GAAGCAAATA GCATTCTCAG
44461 ATGGGATATA CATATAGACA TAGTGGTACT AAACTGTGCA CTAGGGATAA GGAATCAATT
44521 TCCCTAGAGA AACCTATGTT GGAGACAGAA GTTGGGCAGA GAACATTAAA ACATACTCAG
44581 AACATAAAAA GGTGCAAGTC TTTAAAAGGG AAGCCAAGTT ACAGAGGAAA TAAAAAGCAT
44641 TTGACCTTTT TCAGAATGTT TTTTAAGGGT GGACTGAGGC ATCATCATAA CCAACAGGGG
44701 AGGCAGACAA GCTGAGGCAG TCTGGGCTTA GAGTAATAAG CACCTGGACA GCTTTGTATT
44761 TTGTGCATAC CATGGAGACT GTAAACTCCT CCAGGACATG GACTGAGCAA TGTTCTGTGT
44821 CTTCAACTAA GTCCACTACT GTTACTTGAA TACATGAACG CTTCTTGTGC TACTTCTGGT
44881 GGAAAAGAGT GCACTGTGTT ATTCAAGTTA ATAGCGGTGT GGAAATGTTA CCTGTGTTTC
44941 ATGCCTAACT ATACTGATTC TCCCAAATGT CCACACAGTT ATCCTGCCTT CCTCCCTAGG
45001 CCAATGTCAA AAATCCATTG TTTCCTCTAA TGCAGGCCCA CGTGAAGGGA CTCAACAATG
45061 TGCTAAGAGT CGGAATGAAG CCTATCTGAT ACTCAAATCA TGAGGACAGA ATCCAAAGTG
45121 GATAATAAAG ACCAATTGCT CATCAGACGA CTGAAGAAGA AAAATGGGCT ACGCCAGATA
45181 GTATGATGTA TACATATTTA TATATATATA TGACATACAG GTTTGGGAAA CTGAGATCTG
45241 AGTGAAAATC CTAGCTTTAG CACTTAAGTT ATTGGGTACT TAACGTGTCT GTACCCCACT
45301 TTGCACATCT GTAAAGTGGG GCAAATGCCA CTACTCCTGG GAGTTTACTT GTGGTGATTA
45361 AATAATGTAA TTATACAATA GTGTATGCAT TTACATCGTA GTAATGCACA ATACATAGAC
45421 GGTAGCTATT AGGACTGATT ATAATCGTCA CCGTCAGTCT TGATTTTTTA AAAAAATTTC
45481 AACATCTTTT GTCCAGTTTC AGAAACAGAA ATGTACTTTC ACTGCATTTT AGTTGCTAAC
45541 ACTGAGGCTG TGTATTTTAG CTTCTAGTGT CTCAGTTCAG CTGCTAACGA AGTTTTTCAC
45601 TCATCCCTTT GTGGATACCA ACCACCTACC CCAACCTGAT TTACTATTTT GAAAAATCCA
45661 GCCAACAGTC TTCCTTGAAA ACCAGCTATA CAGATGTCTG AATCAAACTA TTAACTGTCA
45721 CTCAAGAAAA GGAACAACGT GAGTGATGTT CCTTCGAGGA AATAAAAAGC GTTTAATCAA
45781 TTCACAGTCG TTCCCAAAAT TTCCAAAACC CGCAGAATGA GCAAACGTTC AAGTTTCCAC
45841 TATGAAAACA ATCCGTAGCC GTCTGGTTAC TGGACTCACT TCAACACTCC CCAGACGCAC
45901 GAAAGAAGAA ACATTCCGCG CATCTCCGCG CTTCCTTCTT CTCACACAAA GCCCCCCTGG
45961 CTGGAGGAGC AGCCCCTTCC AGCAGGGTCG GCTCGGGTCG AGCCGGGCGG GAGTCAGGGC
46021 GGCCTGCGGA CCCAGGGGTC TCACCACACG TCGCCCCCGA CTCCCACTGG ACGAAGCCCT
46081 AGAGGCTCGG AGCTCACACC CCGCCCGGGA GCCGCCTTCC ACCCCAACCT CAAACCCCGC
46141 CCCGGGTTCG GCAGCCTCTG GCACGGACCC TCTTGGGGCG GGGGTCCCCA GAACAAGGTC
46201 ACGCCGTGCC CAGGGGGCGG CGGCGGGCAG CCACGGCTCT GCCAGTCCCC GCCGGCCTCG
46261 CACTCTCCGC CCCTGGCCCT CGCCCACTCA CACCCCAGAG GGCAGCCCCG GACCTCGGAC
46321 GACTCCGCCC GACTCCACCT CCCCGGGGAG TCCCGAGCGG GGCGGCCTCG GGCAGCCGGA
46381 CACGTCCGCC CGCGCCCGGA CACACGCCCC TGCCCCGCCT CCGCTCCCCG CTTGCGGTTC
46441 GCCCGGCAGC CGCCGAGCCG CGCGGCGCCA CGAGAGCCCG GCCCGGGCCC CGGCGCCGCC
46501 ACCTGCGCCC CCGGCCCCGC GCCATGTTTG AGAAAGAGCA GGAGCGAGCC AGAGGCCGGG
46561 TCCGGCCCGC GCGCCCCGCA GTCGCCCGCC CGCCGCGCCG CCGCTCACCC GTCGCCCCCG

46621 GGAGCAGCGC CGCCGCCGCC GCCGCCGCCG CCGCCAGCAC GAGGAGGAGC AGCCGGGGAC
46681 GCGGAGCAGC GACCGCCGCC TCCATGGTCC CGCCGCCACC GCCTGTGGCC CGGCCCGGCC
46741 CGGCCGCGCC GCTGCCTCAC CCCAGCAAAC CTCGCCTCGC CCCACCTCCC TAGCCGCCGC
46801 GGCGGCCTCG CTCCGGCCCT TTGTAACTGC TCGGAGGACG CGCGTCCATT GGCTGCCGGG
46861 CTCCCGCCGG CCCCGCCTCC CCGCCGCCGC GAGCTGCCAA GCGGGACCCA GCCGGGAGCC
46921 CCGCCTGCGG GCCCGCCAGG CAGCCAATCC GCAGCCGCGA GCGCCGGTTT CTGGCCACGC
46981 CCCACGCTCC CCGGGGGCTG GGCCGCCAGA CCCCAGCCCC GGCCCGATCG GCTCCCGGCT
47041 CCGAGAGGCC GCGTGGGGGC GGGGTCTGCC AGCCCCAGCA CCGCTCAGCC GCTAGCCCCG
47101 GAGGGCCGGG TAGAGCGATG GGTGTGTCTG TGTGAGTCTC TTTCGGAAAA AGGCTGTGGC
47161 CGTTCGACGC TCTTTTCTTC TAACCTCCTC TAGGCGCGGA AGATCTGGTA CTGCCTCAGC
47221 CCCACCCTGA CCCCATTCAC AGCTCCGCAT TGGCAATCCC AGCACATGCC ACCCAGATCC
47281 GCTGCAGCGC CAGGCCCCTG CATCCACTTC AACTTCCCCT CTCCAAGTCC ACGCATCAAC
47341 TTCAGCATTC CCCCGAAGAT CCCTCCTCAG TGCCCTTCAC ATGCGACTCA CTCTCCTATT
47401 TCCTCCTGCT CCCAGCGGTC ACCCCAAACC CAGCTCCCCC ACCCAGTTCC AAACCCAGAA
47461 AGTCCTCAGA TCCCAGCGTC AGACCCAGAT CCTGAGCCCA AACACACCCC CAAATAGCCT
47521 CCCGCCTCCC TCCAGCACAG ATCCAGGATG GGGATCCAAG CCGCACTCCT CTCAAACCCC
47581 TTCCCGATCC AGGTTGGAAA GGGAGGATCC CCACCCCAAC CCCTCAAAGG AGGGGTTCCC
47641 CCTTCTTAGC ACCCAGCTCC CGCGGGGCGG AGGGGGAGCA GTCATCATTA CTTTGAGCTG
47701 TGTCTGACAC TGCTGTATAA TAATCCTGAG GTGTCACTAA AAACCCAAAT AAACTCTACG
47761 TTTTCATTCT GAATTCCTAA TTTACTGCGA GACGCTCCAC CCACCTTCCC TCTGCGACGC
47821 CAAAATGAGC TCCAGATTTG TAATTCTTCC TGTCAGACTA GTCCTTTCTT CAGACACAAA
47881 CACAGCCAAG GAGGCTGTTA CGTAGAACAG AGAATATTTT TCCGCAGAAC CTTTTAAGGA
47941 GGAAATTTTA TTTTCTGTGT CATTTGAGCT TAGAATTAAA TAAACCTTGA TAGCAGGAAT
48001 CAGAATGGTT CTGATTAATG CCAATTTGTG CACTACTTTA GAGTCACTGG GTGAGCATTT
48061 TCCCCACCTG TGAAGGCTTC CTTCCGGGAG ATGAAAAGGG AAAAGGCGTG GATATTGGAG
48121 CTGGGATCTG AGACCCGCGC GCTTTCTCCC TCCTGTCTAG GACACTTACT TAAGCAAGTC
48181 AGCTAACCTT TCTGAACCTC CAACAGGCTC AGAGGCCTGC AACTTGCTCT ACACCGCAGC
48241 TCCAGCAGCC TCAGCAGCAA ACTCCCCTCT TGCTCAGGCT GAGGGATTCC AGAGAGATGG
48301 CTTCTGGCAG GCTCCAGTCC CAATTTGCCC TCTCAGTTCC AGTTTCTTCA ATGGAGATTT
48361 GGTGGACTTT GTGCCACCTG AGGTCCCTAG ACTGCCTTTT TGCTGCTCTA TTTGCAATGT
48421 CTTTCATAAG ATAAGAGCTA ATGAGATTTT TATTGTATGA ATGAATGAAT GATCTCAGAA
48481 AGTGACTGTT TTTCTCTGGC CATTAGCTTC TTCATCTCTA AAATGTAAAT AATAATAGTA
48541 CCTACCCCGT TTATAAATAA AAGGGATTGA ATCACTTGTC TTGGGCCCCT TAAATGACGT
48601 AATGTGTCTG GTACAGTGTC TGGAACATAG TAAATATTTA GCTAATGCCA TTTCTTTGCC
48661 CATCCCCTTC CAGCTCTGTA TGATTCTAAT CAGCATGTAT GTTCATGTCA GTCTGTGCCT
48721 TTGACGTACG GAGCCTAGAT TAATCAGTGT TAATCACACC TCCAGTTCCT TAACA